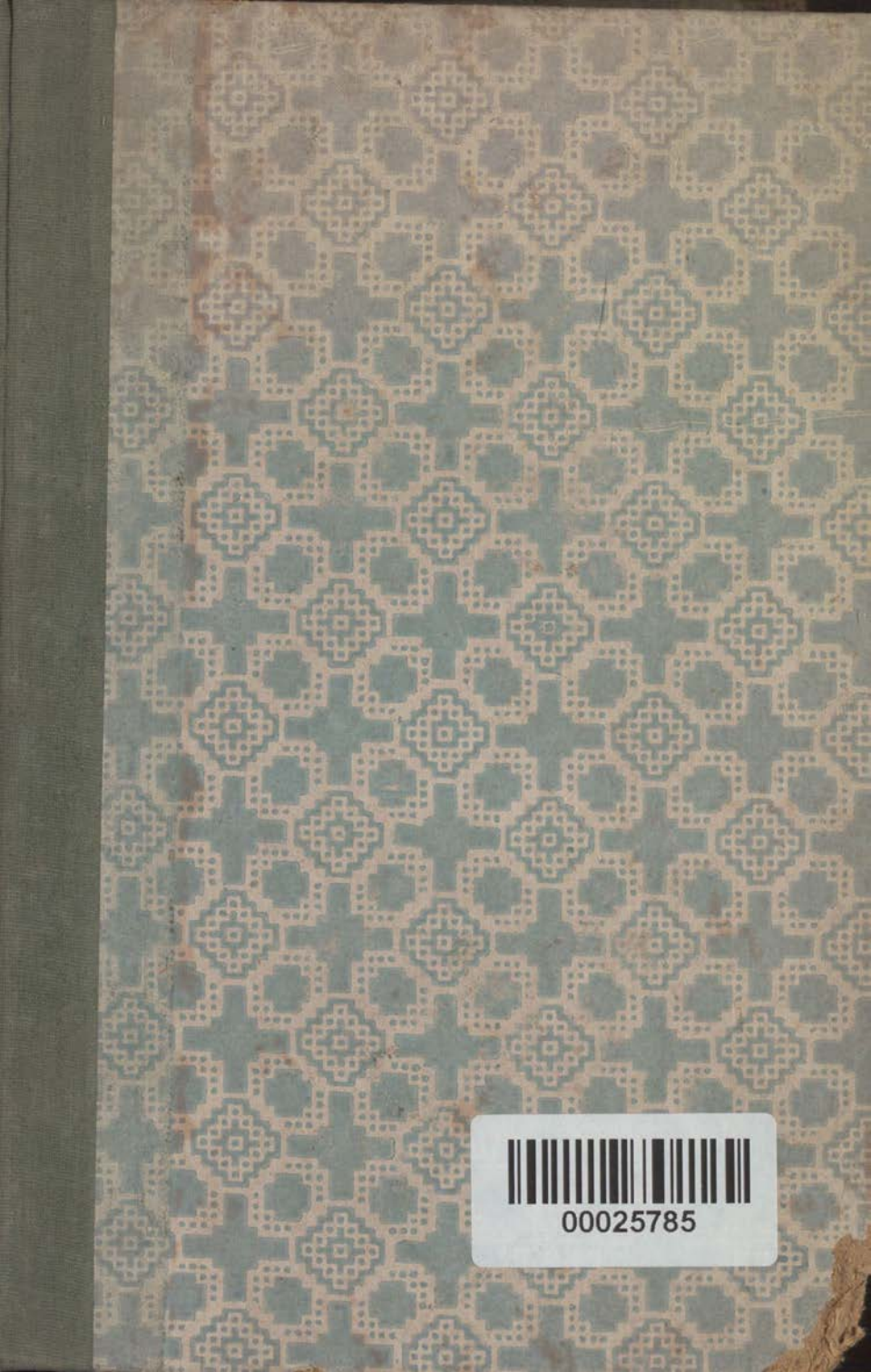
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Government of Maharashtra
on 18 July, 2018

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(' ()"(' ./.' ' (' +$'.$+' ()$/+' */'*1$**')"($# 1' (' ()$' +$# +&$+*' +' %$''/''')/*'/'" 6 +"1' "..+$**' "*' 8/,$C' ,)"',$11 +')".' 6 .' +$"* '' (', &21"/'' #' ()$' *("($' #' ()/'6* %)/,)')$')".' (' +$&$.9' R (' /*' ' (' '19' ()$' ,)"+",($+' #' ()$' "6$' ()"(' ./*(+",(*' * T')$' *"/.' R') (' "' ()$+' ,"1"&/(9'(' +' 1/($+"+9' $*(")*)&$'(' %)/,)' /*' ."/19'3$, &/'6' & +$', '*2/, *M()$', '($&2(' '"&$19' #' ()$' *",+$.' ,)"+",($+' #' ()$' 1"%' "'.' #' ()$' +8+$',$' . $' (' +' "',$*(+*' ()$' %"(,)# 1' $'89' #' &"1/6'"'(*' ()$' .$*2/*$.' ($"+*"'.'* 3*' #' +' "1& *(' .9/'6' & ()$+' ()$' '/8$+*/(9' "'.' ()$' .$($*("31$' " ."(,/(9' "'.' 1/,$'<
(/ *'$**' &"'/#$*(19' $2/, +$"'' 3$9 '.' "1' ()$' 3 '.*

* 3'.> ' #' # P ' '& 34 2 ' 3'5'A8 ' ' ' '
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)$‘ +$# +&$+*’ "*‘ ()$‘ + 9"1/*(‘)/*(+/"‘’ ". &/(($. ’ *$(‘ ()$&*$18$*‘ (’ /&2+ 8$‘ 3 ()’ ()$‘ *(.9‘ #1$"+‘/‘6‘ "‘ .’ ()$‘ 2+",(/,$‘ #8/+($’ E* +$6"+.* ()$‘ # +&$+’) %8+’ ()$9‘ "(($&2($.’ (’ . ’1/((1$‘ & +$‘ ()" ‘’ +$8/8$‘ ()$‘ ",".$&/,"1’ "2"+(‘ #+ &’ ()$‘ $, ,1$*/"*(/,"1’ "22 /‘(&$‘(* # E+,)3/*) 2’ " .’ %)/1$‘ "* +$6"+.* ()$‘ 1"(($+’ ()$9‘ %$+$‘ +$"119‘ /‘ ‘ 8"(+*

$# +$‘ %$‘’ "** &$.’ " () +/(9‘ "(‘ ;# +.’ ()$‘ *(.$‘(*)".’ # , +*$‘ 3$$‘’ +$1/$8$.’ #+ &’ ()$‘ +./‘"+9‘ "()* "‘ .’ .$,1"+"(/ ‘* # 3$./$‘,$‘ (’ ()$‘ + 1$* # ()$‘ $2/*, 2"1‘ ,) +,)’ "‘ .’ #+ &’ , &2 1* +9‘ 2$+# +&"‘,$‘ # ()$‘ *1/6)(‘ +$1/6/ * *$+8/,$* 2+$8/ *19‘ "22 /‘($.’ # +’ ()$&’ "‘ .’ * &$‘ $## +(*)".’ 3$$‘’ &".$‘ (’/‘*/*(‘ ’‘, ‘# +&/(9‘(’ ()$‘ +$)6/ * 2/‘/ ‘* ()$‘’ +/‘’ ()$‘"*,$‘ ."‘(:’) (‘ ()$*$‘ $## +(* %$+$‘ ‘$8$+’ 8$+9‘)"+*)19‘ &".$’ "‘ .’ /‘’ %$‘ * (/&$‘ "("‘9‘ +"($’ ()$+$‘ %"* , ‘*/.$+"31$‘ (1$+"(/ ‘ ’)$‘ ,)/$# */6‘’ # ()$‘ 2 +/("‘’ * 2+$&",9‘/‘’ ()$‘ ‘/8$+*/(9‘ %"* /‘’ ()$‘ ‘2+$,$.$‘($.’=$"1‘%/()’%)/,)’ ()$‘ & +"1‘"‘ .’+$1/6/ * %$11C3$/‘6‘ # /(* &$&3$+* %"* 1 -$.’ "#($+

‘’ !B !’# +’/‘*("‘ ,$’ "++"‘6$&$‘(* %$+$‘ &".$‘ 39‘ ()$‘ 8/*/(+* # +’ ./*2$‘*/‘6‘%/()’ ()$‘ *$,/."+’ . (/$* "**/6‘$.’(’ "(+."9‘ "#($+‘ ‘’ "‘ .’ ()$‘ * 3*(/((/ ‘’ # +’ ()$&’ # "* *$+& ‘’ (’ 3$‘ 2+$",)$.’ "(‘ # +’ ,1 ,-’ /‘’ ()$‘ ,)"2$1‘ # 7"6."1$‘’ (’)$‘ # 11 %$.’ 39‘ $;$+,/*$* 2+$2"+"(+9‘ (’ ()$‘ * 1$&’ ‘ *$+8/,$* # ()$‘ & ++ %’)$‘ 8/*/(+* "1* ’ "2< 2 /‘($.’ ()"(‘ ()$+$‘ *) 1.’)$‘ ‘* *$+& ‘’ 8+9‘ ‘."9‘ & +‘/‘6‘ "(‘ $/6)(‘ ,1 ,-’ "(‘ +2 *)+/*(/’ "‘ .’ ‘$‘ "(‘ # +’ ,1 ,-’ "(‘ (’ 7"+9‘ 7"6."1$‘’ 3$*/.$* ()$‘ * "1‘ ‘ ‘(/.$‘ *$+& ‘* /‘’ ()$‘ 8"+/ * ,) +,)$* "‘ .’ ,)"2$1* :

"#($+' %)$'' *,) 1"+*' %$+$' 6/8$'' & +$' (' 1/3$+(9' "' .' #+/8 < 1 *' *(./$* T' K

)$' $. ,"(/ '' "' .' ./*,/2) '$' ()"(' *$, +$.' ()$' ("1-/'6' 39' '61/*) &$' ' # +$$-' "' .' "(/'' /'*($".' # '61/*) ' %$+$' ' (' # ()$' & *(' $'1/6)($'$.' * +(:) (' ()$9' %$+$' 3$((+' ()"'' ' ()/'6' "' .' ()$9' %$+$' # 6+$"(' 8"1 $' ",, +.< /'6' (' ()$' *("' ."+.*' # () *$' (/&$*' F)"(8+' 2+"/*$' /*' . $' # +' * ,)' "'' ",)/$8$&$'(' & *(' 3$' "%"+.$.' (' ()$' 2 +/(" '' + 1$+*' # ;# +.' # +' , 1(/8"(/'6' 8+9()/'6' ()$'' +$6"+.$.' "*' *,) 1"+*)/2' #"+' & +$' =$"1 *19' ()"'' /(')".' 3$$'' . +/'6' '' 1 '6' (/&$' 2+$8/ *' +' ()"'' /(' ,"&$' (' 3$' . +/ 6' '' 1 '6' (/&$' * 3*$5 $'(' (' ()$' ,+/*/*' ()"(' ()$9' 3+ 6)(' "3 (' +' ()$' #/+*(' (/&$' /'' ()$')/*(+9' # ()$' '/8$+*/(9' ()$9' /'*/*($.' ()"(' ()$' 6$'(1$&$'C, && '$+*' *) 1.' 3$' * 3H$,($.' (' ()$' *"&$' ./*,/2) '$' $. ,"(/ ''1' "'.' * ,/"1' "*' %"*' 2+$*,+/3$.' # +' ()$' ()$+' &$&3$+*' #()$' 8"+/ *' , 11$6$*' "' .')"11*M()"(' /*' ()$9' +$# *$.' (' "11 %' 9 '6' &$'' # %$"1()' (' *2$'.' '' #$%' 9$"+*' "(' ;# +.' /'' &"-/'6' '' 2+$($',$' # *(.9') (' +$"119' /'' */'6' /(' "*' '')" '(' # ./**/2"(/ '' "' .' /'' ()$+$39' $;$+(/'6' '' 3".' /'#1 $',$' '' ()$' 9 ()*' %) ' %$'(' ()/()$+' %/()' *$+/ *' 2 +2 *$K

)$+$' %"*' '$$.' # +' ()$' 2 +/(" '' +$# +&"(/ '' '.$+' ()$' $"+19' ("+(*' ",".$&/,"1' 2 +* /(*')".' 6+$"(19' .$($< +/ +"($.' ;# +.')".' ' (' 3$$'' * ' #"& *' "*' "&3+/.6$' /'' ()$' ."9*' #)=")$()') (' /(')".' 6+$"(19' /&2+ 8$.' 2 '' ()$' &$./##/8"1' &$() .' # ($",)/'6' 39' "11 %/'6' ()$' *(.9' # ,1"**/,"1')($+"(+$' (' $',+ ",)' 2 '' () 6)' ' (' (' ./*21",$' ()$' 3"++$'' *,) 1"*(/,/*&' ()"(')".'1 '6'*("+8$.' ()$' &/'.*' #/(*' *(.$'(*' %)/1$' 2+ #$**/'6' (' ' +/*)' ()$&

N 3' ! # ' & # # 34 2 ' 3 ' * ']4' 9# / ' /4 J3 ' #' ! ' > ' # 5 ' $ H # 4, !' < 5 3' 55 # 3' 5' 6

7 (1/ "11 (1/$ #+ /(* # 2 /1 * 21/9 " ' .' *,/$ ' ,$ ' +"*& *)" .' 6/8$ '' (' /(' "* %$11 "* (' ()$ */*($+ '/8$+*/(9 ' ()$)$ '$//,/"1 /'#1 $ ',$ #)/* 2+$*$ ',$ ' " ' .' /( ) " .' +"/*$.' 2 # +/(*$1# ($",)$+* "* $&/'$'(' /'' ()$/+ %'' +"()$+ ' "++ % %"9 "* /' ",+$ " ' .' + ,9 ' ' ()$ '$;(6$ '$+"(/ '' /(, 1.' ' (3 "*(# * ,) ' &$'' "* E*,)"& ' &/() ' " ' .' 1"+-$ # "&3+/.6$ ' 3 (/(2+ *2$+$.' # + '' (/&$ ' (/1 3 () ' *,) 1"*(/,/*&' " ' .' ,1"**/,/*&' %$'((# #"*)/ '' ' .$+ ()$ +/8"1 9$(, &3/'$.' /'#1 $ ',$* # &$'' %) ' # 11 %$.' ()$ 1$" .' # '' , +(/$+) -$ R ($$'/$T , -/'6<)"& ' " ' .' '' 2+$1"($ 1/-$ " . ' E (`J2/,"1 ;# +.' &" '' # ()$ #/+*( )"1# # ()$ *8'($$'() ,$'(+9 %"* +9" '' 4 22$+ ' % ' %"* * ,,$**/8$19 .$" '' #)+/*( ) +,) " ' .' 8/,$C,)" ',$11 + # ()$ '/8$+*/(9 3$# +$ ("-/'6)/6) $,,1$*/"*(/,"1 ##/,$ " ' .' , ',$+'/'6 %) &' ()/* %"* ()$ 6+$"($*(2" '$69+/,' ()"(, 1.' 3$ (($+$.' 39)/* 6+$"($*(2" '$69+/*(MR $ %"* '' &" '' #; ,11'(2"+(*' " ' .' 8+9 %"9 5 "1/#/$.' # +)/* # ',(/ ' ' $*2$,/"119 "* (' ()$, &$1/< '$** #)/* 2$+* '' " ' .' 6+",$# 1'$** #)/* .$2 +(&$'(' %)/,) ' +$' .$+$.')/&' % +()9 ()$ *$+U.,$ # '' , +(' " ' .' 8+9 %"9 #/((' *(" ' .' 3$# +$ 2+/',$* TK (&"9 *$$&' '#"/+(' 31"&$ E+,)3/*) 2 " .' # +)$12< /'6 (' 3+/'6 ()$ '/8$+*/(9 (' ()$ 8$+6$ # + /' " ' .' "(()$ *"&$ (/&$ (', &&$' .' ()$ 2 +/(" '* # +' # + ()$ #/+*((/&$' * ,,$**# 119 $'# +,/'6 ()$ ",".$&/,"1 *9*($&' ()"( )$ *$(2 ('# +('"($19 " . * $,,1$*/"*(/,"1 3/6 (+9 #"+ 8$+(22$.')/* ",".$&/,"1 =$"1 " ' .' % /1$ 2+ 2 */'6 (& "-$;# +.' '' 6 .' *,) 1 # + "11 ()$ 1$"+'/'6 ()"(%"* ()$' /' 8 6 $')$ 1"3 +$.' * ' & ,) & +$)$"+(/19 (& "-$ /('' *$&/' "+9 # + "3H$,(*1"8$* (./U.'$C+/6)("+,)3/*) 2* " ' .' ./8/'$C+/6)(-/'6* ()"( )/* , & &$' ."31$ /'($'(/ '* %$+$ "1(6$()$+ #+ *(+"($.')$

,1/ *$ 39 ./*&/**/'6)/&(# +#$/(()$ *$+8/,$* # (1/$ 3$*(+/$'("1 *,) 1"+ ()$'1/8/'6/' '61"'. ' '$&H/1 9C /'6 * &$ *,/$'(/#/, ($",)$+* %))"+.19 &".$ "'9 *$,+$(# ()$/+)$+$*9 ' ,)'+,) "'. *("($ &"((($+* & +$ 8$+ ()$9 &".$;# +.# + * &$ (/&$ ()$)".C5 "+($+* # *,/$'(/#/, +$*$"+,) E+,)3/*) 2 " . "'.)/* #+/$'.* E8 1.'$8$+)"8$*) %' * ,))3$+"1/(9

,-$ %"* (%$'(9 9$"+* 1.'%)$')$(-' 2)/* +$*/< .$',$ "(;# +. $ $'($+$.' ()$ '/8$+*/(9 "1& *(/&&$./"($19 "#($+ + %$')".'3$$' "22 /'($./(* 8/,$C J,)"',$11 +H "* %$11 "* .$"' #)+/*( ) +,) "'.'H *("(()$(/&$ %)$' ()$2 +/(" '+$# +&"(/ ' %"* #"/+19 3$6/'< '/'6 $ $'($+$./("* * .$'(# ()$ +/,)$*(& *(/'#1 $'(/"1 "'.& *( )"+.C% +-/'6 # "11 /(* , 11$6$* '.$+()$2 +/("'* ()$# ',(/ '* # "((+%$+$ & +$ 8"+/ * "'.'+$*2 '*/31$ ()"'/'()$(/&$* 3$# +$ "'.'"#($+ + "("'9 +"($'()$9 %$+$ & +$ +/6/.19 2$+# +&$.')$ ((+# '.'# + ,-$ %"*) &"* 1$')/* *$'/ + 39 '19 #/8$ +*/;HK$"+* "'.'1/-$)/&' F $*(&/'*($+ *,) < 1"+ %) ')".' 3("/'$.' ")+/*( ) +,)' *(.$'(*)/2' E ,) +,)&"' 39 $"+19 (+"/'/'6)$ 3$,"&$ "' /'.2'.$'("(;# +.' "'.' + *$ (' 3$ 2+/',/2"1 # (' 7"+9 * "11 $ %"* H,($.'# +)/* ' 'C, '# +&/(9/' !B ' "'.'()$+$< 2 ' $*("31/*)$.' *,) 1 # +()$ * '* # /'.2'.$'(* "($((1$3$.' /' ;# +.*)/+$' 1(/&"($19 *$((1/'6/' '. ' "'.'%/' '/'6 ,+$./("* 2+$",)$+' $ "22$"+* (')"8$ 3$$' " ' "&/"31$ "'.' (1$+"'(&"' "'.' "' $;,$11$'(*,) 1"+' 8$' ,) +,)&$' *2 -$ #)/&' "* R " &"' # 6 .' 1$"+'/'6 "'.' # " 6$'(1$ *2/+/(T K)$+$/* ' $8/C

*: #' # # # 34 5' * K7 3 ., ' & # # 34 5 ' 33 ' * 3)$K

(/ '*' R# +' 7+' ,-$' '$8$+' 1 8$.' ()$' (+".$ #' ./*2 (/'6' /'' 2 31/,'/'' (3$' *,) 1*' 3 (' %"*' "1%"9*' % '(' (J.$,1"/&' "6"/'*(' /(' "*' 3$/'6' /'8$'($.' # +' %+"'61/'6' +' *($'("(/ ' ' +"()$+' ()" '' (' ./*, 8$+' (+ () ' E'.' %K$ &"9' +$"* '"1.9' "** &$ ()"(')$' ./.' ' (')-$' &"'9' #')/*' 2 +/(" '' #$11 8C' *(.$'(*' + '' "3 (' #+ &' ,)"2$1' (' ,)"2$1' "'.' #+ &' ,) +,)' (' ,) +,)' %/()' '" 5 $',)1$**' "22$(/($' # +', 1 +$.' "'.' 8$+9' & ,)' ./1 ($.' .+" 6)(*' #' ()$' ($",)/'6' #')/&' %) ' /*' +$2 +($.' (')"8$' *"/. F) * 8+' .+/'-$()' #' ()$' %"($+' ()"(' ' *)"11' 6/8$')/&' *)")' '8+' ()/+*(T (' %"*' '$,$**"+9' # +')/&') %8+' (' 3$' 2+$*$'(' "(' ()$' 8'/'6' *$+8/,$' /'')/*' , 11$6$' ,)"2$1' "'.' "#($+' ()"(' (' "((($'.' "(')/*' ((+*' ,)"&3$+*' # +' * '1 '6' "*')$' %"*' +$5 /+$.' (')$"+' 2+"9$+*' "'.' (' 6/8$' "'' ",, '(' #')/*' ."9 *' ,, 2"< (/ '*')$' +$*(' #')/*' (/&$' %)/,)' %"*' ' (' & ,)' 3$# +$' $"+19' 6 /'6' (' 3$.')$' %"*' #+$$' (' *2$'.' "*')$' ,) *$' $;,$2(' ()"(')$' &/6)(' '' ' ' ",, '(' 6 ' /'(' ()$' (%'' %/() (' 1$"8$' #')/*' ((+' "'.' '$8$+' %/()' +' %/() (' 1$"8$' *) %')/&*$1# /'' "'9' "1$C) *$' +' ()$+' %/,-$.')" '(K

E3 (' ()$' , 11$6$' 1$,(+$*' "(' %)/,)')$')".' (' 3$' 2+$< *$'(' %$')"8$' ' (' & ,)' /'# +&"(/ '' +/'6')/*' #/+*(' "'.' *$, '.' 9$"+*' "(' ;# +.' ()$+$' %$+$' # +' '" %$$-' '' ()$' #/+*(' 9$"+')$')".' (' "((($'.' & +'/'6' 1$,(+$*' 8+9' 7 '."9' "'.') +*."9' '' +)$(+/,' "'.' 8+9' $*."9' "'.' +/."9' '' 6+"&&"+' '' ()$' *$, '.' 9$"+')$')".' (' "((($'.' 1$,(+$*' 8+9' 7 '."9' "'.') +*."9' 39' ()$

N ' -- ' ' ' *3 '' ' ' ' " #' '$ 3' * !' " # 3' * 6: 3' P #;' 9 4' 1

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#+ &' 1//&' 2$+)"2*')$' .$+/8$.')/*' 8$+9' *$'*/31$' 2/'/ '' ()"(' R'"+/() &$(/,'/*' ()$' $"*/$*(' "'.' , '*$5 $'(19' ()$' #/+*(' * +(' #' "3*(+",(' +$"* '/'6' %)/,)' ()$' &/'.' , && '19')$"+*' +' ", , *(&*/(*$1#(TK

+ &' ()$' 1$,(+$*' '' +$$-' .$1/8$+$.' 39' +' 0)'' "+&"+' %) ')".' 3$$'' '.$+C&"*($+' "(' F$*(&/'*($+' 3$# +$')$' %"*' &".$' +$6/ *' 2+ #$** +' "(' ;# +.' "'.' %) ' /*' .$*,+/3$.' "*' R'" & *(' $;,$11$'(' 2)/1 1 6/*(' "'.' "'(1$< +"31$' "(/'' 2 $(')"229'/'' +$'.$+/'6' +$$-'/'(' "(/'' +' "(/'' /'(' '61/*)' +' '61/*)' /'(' +$$-' +' "(/'' %)$()$+' /'' 2+ *$' +' 8$+*$'T'kM ,-$' 2+ 3"319')".' ' (' &,)' & +$' (' 1$"+'' /*' F$*(&/'*($+' (+"/'/'6' '# *(')"8$'3+ 6)(')/&' 5 /($' 2' (' ()$' 1$8$1' +$5 /*/($' # +')/* .$6+$$'"'.'() 6)')$'%"*' $8/.$'(19'"#"/+' +$$-',) 1"+' ()$+$' /*' ' ()/'6' (' *) %'()"(')$' $'($+$.'/'(' "'9' +/8"1+9' %/()' (33$' "'.' ()$' #$%' ()$+*' #')/*' ."9'%)' "##$,($.' ()$' *$8$+$+' ,1"**/,"1' *(./$*' R' ' &"' T')$' *"/.' "(' "' 1"($+' ."9' R',"'' 2"**#+'"'*,) 1"+' ()"(' /*' /6' +"'(' #' ()$' +$$-'('6 $'!'T 3 (')$' '19' "22+ 8$.' #/(*' 3$/'6'*(./$.' 3$," *$' R'"& '6*(' ()$' +$,/"'*' /*' (')$' # '.' ()$' +/6/'"1' "*' /(' %$+$' "'.' # '."(/ '' #' "11' ()"(' 1$"+'/'6' %)/,)' %$')"8$'/'' ()/*' 2"+(' #()$' % +1.! "'.')$' '$8$+')".' "'9')-/'6' "(' "11'# +'() *$' &/' ($' 6+"&&"(/,"1' $;$+< ,/*$*' /'' %)/,)' * &$' #')/*' , '($&2 +"+/$*' /'. 16$.' "(/'' "'.' +$$-' 8$+*$C%+/(/'6' # +' ()$' &$+$' 2$."'(/,' $;)/3/(/ '' #'"&/1/"+/(9'%/()' ()$') *-*' "'.' .+9'3 '$*' #' ,1"**/,"1' 1/($+"(+$')$' +$6"+.$.' "*' 8$+9' '$"+19' /#' ' (' 5 /($' "*' %"*($# 1' #6 .' (/&$' "'.' "*' .$*(+ ,(/8$' #

K'4 &$' 1/ '6)(*', ',$+'/'6' . ,"(/ '' 'd

K'F .' '4E()$&$' ; '/$'*$*J' 8 1' /// ', 1' ! ' 7 *(' #' (1/$'6 **/2' "3 (' ()$' ;# +.'($",)$+*'6/8$''/'' ()$*$'2"+"6+"2)*'%)$+$' ' ' ()$+' '/() C' +/(9'/*'*2$,/#/$.''/*'.$+/8$.'#+ &'F .

S'4 &$') 6)(*', '$$+'/'6' . ,"(/ '' 'd 1

* ' .' /'(11,("1' $'$+69' "* +$$-' "' .' "(/'' .$,1"&"< (/ '* /'' #"'("*(/,' * 22 +(' # E+/*(($1/"'' "' .' 2*$ .C E+/*(($1/"'' . 6&"*

/'* 3$/'6' * ' /(' /* * &$%)"(' , +/ * (' ($' ()"(' ,-$ * #/+*(' 2 31/*)$.' , &2 */(/ ''%"* '* *&"11' 2/$,$' # "(/'' $+*$')$+$'%"* '* +$"* ''# +'()/*') %$8$+')$' .$#$"(' # ()$' (,)' /'' !B @' "' .' ()$' 3$'$#/,/"1' (+$"(9' # 2$",$' */6'$.' 39' + &%$11' /'' E2+/1' !B ')"8/'6' 2+ 8$.' ()"(' '61"' .' , 1.' &"/'("/'')$+' '"8"1' +$2 ("(/ '' "* %$11' . +/'6' ()$' && '%$"1()' "* '.$+' "'9' ("+(' -/'6' + /'%$11* ". &/+$+* "' .' 2"+(/*"'* *$.' ()$' 22 +('/(9' () * "## +.$.' # +' */'6/'6' 1 .')/* 2+"/*$*' E& '6' ()$' +$*(' +' %$''2+ , +$.'#+ &'()$' &$&3$+* # ()$' '/8$+< */(9' "' .' $*2$,/"119'#+ &' ()$' *(.$'(* #)+/*(') +,)' '* *(+/'6' # , &H#//&$'("/9' 2 $&*' , '*/.$+"319' 8$+' '*) '.+$.' /'' ' &3$+' "' .' I /(($'' 39' & +$' ()"'' '*) '.+$.' ./##$+$'(')"' .*')$*$' "22$"+$.' /'' '* 8 1 &$' $'(/(1$.' 4 7 *"+ &' ; '/$'*/ & "/ /Q= 2(" %/()' '* 2+ *$' 2+$#",$' "' .' * &$' /'(+ . ,(+9' 8$+*$* 39' %$''/&*$1#' E& '6' ()$' , '(+/3 (+* %$+$' 3 ()' 1.' "' .' 9 '6' &$&3$+* # ()$' '/8K$+*/(9' 2+ #$** +* "' .' *,) 1"+*') '$*(' 2 +/("'* "' .' ,1"' .$*(/'$' + 9"1/*(*' ^ ,)' "' .' "() +*(' *)9' "' .')/* 2 2#/' ()' D)/1/2' $'+9' "' .' *$8$+"1' ()$+' JF$*(< &/'*($+' *(.$'(* "(')+/*(') +,)' ,-$' , '(+/3 ($.' (% ' 2/$,$*')$' #/+*(' %"* /'' "(/'' M

44 D" ;' +$6/(' E 6 *(]' 5 $+'' 8/,/(' 0 1/ *' +3$&'
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/$' 5 .' #/(' & ' ./' 8/,(+' $(' /11$' 5 /$*
' 3$11 &' (' 2",$&' 2 2 1/*' ."*' ' *' (+/*5 $':
7 "H +' $*:' /2*$' +3$&' 8/' ,/*' $(' /2*$' +$6/*
'' 3 &/'$&'$', $1 ' &/** &'($',+$./& *' ' *'
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3 4 5&*(&,' 67)1 01* &,' 4 ( ) 84)89 (' % $: & ' ''

()$ ' &$+ * #"&/19 # ,1 .+$ ')$)".' (' 2+ 8/.$ # +' &/6)(3$ () 6)((')"8$ (. '$ () *$%) ' &".$ & +$ ' /*$ "'.'*) %' ' .' ' (' +$&$&3$+ ()"(' /'' "11 &9 , '< 8$+*"(/ '' [%/()')/&' ' 8+' *"%')/&' ',$ "'6+9' +' (' 3$ * ' 2+ 8 -$.' "* (' ,)"'6$, 1 +' +', '($'"',$ +'('$ #8 /,$' /* 1/#$ "22$"+$.' (' &$ '$, '*("'(',"1&' ' ,"'' *"9 #)/&'%)"(#$%' &$'' ,"'' *"9 # "'9#+/$'.' # ()$/+*' ' +' ' # "'9 ()$+ # &9 ",5 "/'("',$'()"(' . ' ' (' +$&$&3$+' 8+' *"%/'')/&' "'9 '$ ",(/ '' ()"(' ./.' +', 1.'/'' &9 %'' &/'.'31"&$ +' ()/'-' "&/**/'')/& T/

(' /* % +()' ' (/'6'()"(' ()$ &"'')$+$ 2+"/*$.'*')/6)19 K%"* ()$ '$ 2+ &/'$'(" '.' & *((*2 -$'' + 9"1/*(" '.' $2/*, 2"1/"'' /'' ()$ '/8$+*/(9')/* #+/$'.*)/2' & *( )"8$. '$* &$()/'6' ('%$"'' ,-$#+ &'()$ 2 +/("'/*&' ()"(')".'3$$''$', +"6$.'/'')/&'39')/* #"()$+

/* ()$+' /&/8$+*/(9' #+/$'.*' &$'' & +$ '$"+19 #)/* %'' "6$' "22$"+' (')"8$ 3$$'' () 6)' ' (' "11 + 9"1/*(*' ,) *$'' 5 /($ "* & ,)' #+ &' + 9K"1/*(" "* #+ &' 2 +/("'' ,/+,1$*

'$ # ()$*$ #+/$'.* %"* "()"'/$1 .6$*' %) ' %$'((')+/*( ) +,)' #+ &' F $*(&/'*($+' /'' ()$ 9$"+' /'' %)/,)' ,-$ $'($+$.' ()$ *,) 1') (' %/()' %) &')$ # +&$.'",< 5 "/'("',$"(;# +.' .6$* (-')/* .$6/ $$ "* &"*($+' # "+(* /'' !B ' "'.' %"* 2+ ,(+' # ()$ '/8$+*/(9' /'' ' "'.' "#($+%"+.* 2+ #$** +' # & +"1 2)/1 * 2)9' $ 3$< ,"&$,)"21"/''(' ()$ #/+*("+1 #)"#($*3 +9' 39 %) &' %)$'')$ %"* 1 +.' ,)"',$11 +' "'.' "22"+$'(19 ()+ 6)

K $ '"+.' %$11*' 4 /#$' #' + ' .%"+.'D , ,-$ '2+$#/;$.'('"', 11$,($.' $./(/ '' #')/* 4)$ 1 6/,"1' F +-*' >! ? A:' ,-$'(' & 2)+$9' &/()' @'0 19' ! @')/* 1$((+')".' 3$$'' 2+$8/ *19'2+/'($.' /'' 4E' 11$,(/ '' #' 8+"1'D/$,$*' #'0)'' ,-$'' >! A'%/() (' ()$' '"&$' #' ()$' 2$+* '' ('%) &'/('%"*' "..+$**$.

" ' .' $++ +*' ()"(' "* /(' "22$"+$.' (' &$' ')" .' .$+/8$.' ' '
()$+' 3$'$#/(' #+ &' ()$' 2 +* /(' # - ' %1$.6$' ()" '' ()/*'
()"(' ')".' () + 6)19' ./*, 8$+$.' &9' %'' /6' +" ',$ O'
R +' ()/*' +$"* ' T')$' , '(/' $.' R"** '' "* &9' "6$' 2$+<
&/(($.' &$' (' $*,"2$' #+ &' &9' ($",)$+*' ' 5 /(($.' $'(/+$19'
()$' *(.9' #1$(($+*' "' .' +$* 18/'6'(' *$$-' ' ()$+' *,/$',$'
()" '' * ,)' "* ' , 1.' #/' .'/'' &9*$1#' +' +"()$+' /'' ()$' 6+$"(
3 -' # ()$' % +1.' ' $&21 9$.' ()$' +$*(' # &9' 9 ()' /''
(+"8$1' /'' *$$/'6' , +(* "' .' "+&/$*' /'' &/;/'6' %#/()' 2$ 21$'
./##$+$'(') & +* "' .' , ' ./(/ '*' /'' , 11$,(/'6' ./8$+*$'
$;2$+/$',$*' /'' ($*(/'6' &9*$1# /'' ()$' */("(/ '* /'' %)/,)'
+('$' 21",$.' &$' "' .' /'' *(+/8/'6'(' .+"%' 2+ #/("31$' , '<
8/,(/ '* #+ &' "11' ()"(' ##$+$.'/(*$1#'(' &$' +'/(' *$$&$.'
(' &$' ()"(' ' *) 1.' #/' .' & +$' (+ ()' /'' ()$' +$"* '/'6* #
./##$+$'(' &$'' /'' ()$/+' %'' "##")*' "' .'%)/,)' /#' %+ '6'
F 1.' 3$' 5 /,-19' 2 '/*)$.' %/()' #"/1 +$' ()" '' /'' * ,)'
+$"* '/'6* "* ()$' 2)/1 * 2)$+' &"-$*' /'')/* *(.9' Y ''
2$, 1"(/ '* ()"(') "8$' ' $##$,(' '')/&$1#' "' .' "+$' #' '
/&&$./"($', '*$5 $',$'(')/& TK

,-$' () 6)' *$((/'6' 5 /($' "* & ,)' 8"1 $' '' ()$'
($",)/'6' #2+",(/,"1' 1/#$' %"* *"(/*#/$.' %#/()' '" * &$%)"('
'"++ %$+' +"'6$' # 3*$+8"(/ '' "'.' 3$*/.$*)"8/'6'
6+$"($+' ".8"'("6$* /'' ()/* %"9' %"* & +$' %/11/'6' ('
2+ #/('39' ()$' 3*$+8"(/ '' "'.'($",)/'6' # ()$+'+$3$1* #+ &'
E+/*(($)"'/*&' : 3 (')$'+$8 1($.' 5 /($' "*#$"+1$**19' "* %$'
)"8$' *$$' ' #+ &' ()$' . 6&"* 2+ 8/.$.' # +')/&' "' .' # +,$.'
2 '')/&' 39')/* ",".$&/,"1' ($",)$+*

+''/'' ! GB' $'$$' $*,"+($*)".' 1$"+'(' 3$# +$')$' %"*
8'($$'' 8+9()/'6'()"(')/ 0$* /(' &"*($+* "(' "' 1$,)$'
, 1.' ($",)')/&' %)/,)' %"* 2$+)"2* '" 6 .' .$"1' & +$'
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$' 1/-$ $*,"+($*' %"*' %$"+9' # E+/*(($1/"'/*&' "'.' *,) 1"*(/,/*&' $*,"+($*'*R&$() .'T & *(')"8$', &$'('
)/&'1/-$'"+$8$1"(/ ''#+ &')$"8$'

)"(&$() .', '*/*($.'/''()$'+$2 ./"(/ '' #"1'$;($+'"1'
/'#1 $',$*"'.'"+(/#/,/"1. 6&"*'"'.'()$'3 /1./'6' 2' #'"
, &21$($ '$%'*9*($&' #2)/1 * 2)9' ''()$'3"*/*' #, '<
*,/ *'$**' R' 6/('$+6'* & T'%"*' $*,"+($*'*#"& *'
2)+"*$' ' "&', '*,/ *K' #&9' %'' $;/*($',$' ()"('/#
'()/'6'$1*$'/*',$+("/''('&$':"'.'"1/-$',$+("/'(9'& *(
)$'%/()'$8$+9' ()$+' ()/'-/'6'/'./8/. "1' '*,/ *'$**'
/*()$'#'."(/''()$'19'#'."(/''#-'%1$.6$'
F)"(8+', '*,/ *'$**',1$"+19'"'.'./*(/',(19'2+ ,1"/&*'
& *(')$'(+ $'/'' ()$+'%+.*' 8+9',1$"+'"'.'./*(/',(
/.$"' & *(3$'(+ $':$8$+9()/'6'()"(,"'3$',1$"+19'"'.'
./*(/',(19', ',$/8$.'#"*$;/*(/'6'& *(';/*(

)$'2*9,) 1 6/,"1'*9*($&' # $*,"+($*'%"*",, +./'619'
3"*$.'39')/&' ''()$*$'# +'&1$*' R')$'#/+*('%"*' 8+'
('",,$2('"'9()/'6'"*(+ $'3 ('%)"('/*' $8/.$'(19'* :
,"+$# 119'('"8/.'2+$,/2/("',9'"'.'2+$H ./,$'"'.'('
".&/(' ()/'63 ('%)"('*',1$"+19'"'.'./*(/',(19'2+$*$'(*'
/(*$1#"*(+ $'()"('()$+$',"'3$''6+ '.'#. 3(')$'
$, '.' './8/.$' 8+9'$2"+"($'5 $*(/ ''/'('"*&"'9'
$2"+"($'2"+("*&"9'3$'$,$**"+9'#+'/(*".$5 "($'*1 <
(/ '')$'()/+.' ', '.,('()$'$;"&/'"(/ ''/''*,)'
+.$+'"*'3$6/''/'6'%/()' 3H$,(*()$'&*('*/&21$'"'.'
()$+$# +$'()$'$"*/$*(('3$'-'%'"*'/('%$+$'*($2'39'
*($2'('"*,$'.'('-'%1$.6$'#()$'&*(',&21$;'"**/6'<
/'6'/''() 6)('",$+("/'' +.$+'8''('()'*$' 3H$,(*
%)/,)'/''()$/+' %''"'(+$'"+$''('"*"'($,$.$'('"'.'
,'*$5 $'('E'.'1"*(19' '&"-$'*,)'$;",('$' &$<
+"(/ '*'"'.'* ,)'6$'$+"1'+$8/$%*'"*('3$',' #/.$'('()"('
'()/'6'$**$'(/"1')"*'3$$''&/(($.TK

/* & *(/'#1 $'(/"1 . 6&" %"*)/* ()$ +9 # /' ' "($ /.$"* + '$,$**"+9 (+ ()* R 9 ()$ % +. /.$" T)$ *"/. R ' .$+*(" ' . "11 ()"(," 3$ /' + () 6)(*: " ' . . .

&"()$&"(/,/"''3$# +$ $%(')/*"221/,"(/ '' #"16$3+"'
(' 6$ &$(+/,"1', +8$*M, ',$+'/'6'%)/,)') %$EK$+')$'
"22$"+*'('")"8$'2 +1 /'$.'"6 .'.$"1'#+ &' "++/ ((' +'
1.$+' &"()$&"(/,/"'*M3$/'6' '19' '$ #&"'9'$;,$11$'('
$+E ,$'('()/*'3+"',)' #*,/$',$' $'%"*"1*'"6+$"('
2)9*/ 1 6/*('R'/'"*& ,)T'%$'"+$'(1.' '')/6)'" () +/(9'
+'"*')$'./.'#+'()$'2)9*/ 1 69'#& (/ '"'.'*$'*"(/ ''()"('
%)/,)' "+8$9')".'. '$#+'()$',/+, 1"(/ '#()$'31 .'"'.'
2$'$.' 2'()$'+ ".'('()$'&$,)"'/,"1'()$ +9'#()$'*$'2+ <
,$**$*' EE.//,)')"*'3$$''# 11 %$.' 2')K"11')/*'* ,,$** +* TK
E'.'/#'()$'(+ ()*' ()"(')$'(" 6)('%$+$'() *' *$# 1'()$'
8$)$&$',$' #/'(11,(')"(' #($''1$.')/&'#"+'3$9 '.'()$'
1/&/(*' #-' %''(+ ()'%"*' '(' *1**' R ", 'T'*"9*'
'. +,$('R'() 6)')$' 2 **$**$.'/'' "' & *(' $&/'$'('
.$6+$$'()$'6$'/ *' #2)/1 * 2)9'./.'' (' '/($'%/()'/(')$'
6$'/ *' #()$' *,/$',$*')$' &$() .*' 2+ 2 *$.'39')/&'
#+'()$'/'8$*(/6"(/ '' #(+ ()', '*/*(/'6'$'(/+$19' #2+$<
,$2(*')$'%"*' '"31$'('8$+/#9K')".'1/((1$' +' ' $##$,(' /''
",,1+"(/'6'()$'+"($' #./*, 8$+9')"(') ' +'%"*'
+$*$+8$.'#+' $*,"+($*' #/'()$'2)9*/,"1'*,/$',$*')/*'
&"+,)'%"*'1$**'* +$'()"''()"(' #"1/1$ ')/*'1 6/,'%"*'
1$**',"(/ *'()"''()"(' #", ''9$(')$'8$+9'($&$+/(9'
#)/*'$++ +*'%"*'/'*(+ &$'("1'('()$'2+ 6+$**' #) &"''
() 6)(' $'6"EK$",(/8/(9'('&/'.*' EEJ)/,)'()$',/+, &<
*2$,(/ '' #)/*'+/8"1*', 1.' '("%"-$''#+ &'()$/+'
1$()"+69' $',"11$.' 2 '' &$''('()+ %' ##'()$'9 -$' #'
" () +/(9'"'.'('","-' %1$.6$''. 6&"')("EEJ)"(+$"*''
"',(/ '$.:"'.')/',"11'E8"* 3$9$.'39'"' & 1(/(.$' #'
11 E8$+*'$', +"6$.'39'()$'3 1.'$**'"'.'#"*,/'"($.'39'
()$'$'() */"*&' #()$/+'1$".$+T' '*1/6)(') ' +'/*'
.$'('$*,"+($*'/''"..(/ ''('"11')/*'()$+',1"/&*'('
) ' +'#+')"8/'6'*$(' ,-$'()/'-/'6

K D+ #$** +' ;1$9'/''()$', - '. & -'# +' 8$& 3$+'! ?

&$'(*' +$#$+$',$*' "'.' "11 */ '* &".$ 39)/&' "(1"($+'
."($*' ()"(3$# +$)$ 8$'(+$.' (' I /($' +' "("'9 +"($ ('
2 3 *)'%)"( )$ %+ ($' '' 2)/1 * 2)/,"1 * 3H$,(*)$)".'
",5 "/'($.')/&*$1# 8 ()' '$"+19 8+9 % +-' # /&2 +("',$
()"( )".'3$$'' ##$+$.' (' ()$ % +1.' # +'/(* $'1/6)(&$'(+'
&9*(/#/,"(/ '' '' () *$ * 3H$,(*')".' ./6$*($.' "'.' "**/&/<
1"($.' "1 ()"(%"* #/((' ". .'*(+$'6()' "'.'8/6 +' (' ()$
2$+"(/ '* #)/* &/'.' "'.')".'+H,($.' "1 ()"( )$ # '.'
'* /($.' (')/* &$'("1 3 '*(/((/ ':"'.' %$ "+$ '19
%"++"'($.'/''"** &/'6()"(()/*2+ ,$** %"*$'($+$.' 2 ''
"'.')".' 3$6 '' (' 3$ '$,$**"+9 (')/&' 1 '6 3$# +$)$
,$"*$.' (' 3$ "'' ;# +.' *(.$'(' '' 3 /1./'6 2)/*
%'' 2/'/ '*)$.$+/8$.' /'*(+ ,(/ '' "1/-$ #+ &' ()$ '$%
2/, +$"'/*&' # "**$'./'#+ &' ()$ '$% $& ,+/(/*&' #
33$*' "'.' #+ &' ()$ ($",)/'6*' '$% +' '$%19 , 1 +$.'
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%8+' =$"1 *' "'.' , &2+$)$'*/8$ &"9)"8$ 3$$''
,-$ *' *(./$* /'' 2)/1 * 2)9 . +/'6 ()/* 2 +(/ '' #)/*
1/#$' /(* 2 1/(/,"1"'.'* ,/"1 , './(/ '*,"'')"+.19)"8$)".'
1$** $##$,(/''*)"2/'6)/* ,)"+",($+"'.', '. ,(''.'()$/+'
/'#1 $',$ %"* & +$ /&&$./"($19 /&2 +("'(
) 6)'()$'"&$ #0)'' %$''/*' ( ) ' +$.'39 ()$
,)"&2/ '* # *("($"'.',) +,)' " () +/(9 "(;# +.'()$
'/8$+*/(9 %"* # +('"($/'')"8/'6)/&' # +'/(* + 1$+ . +/'6
2*#+(# ()$ && '%$"1()' 2$+/ .' "'.' () 6)' ()$+$
&"9 ' ( )"8$ 3$$'' & ,)' /'($+, +*$ 3$(%$$'' ()$&'/(
/* $8/.$'(()"(,-$ * .$3((')/&' %"* " 1"+6$ '$'
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*/31$' /* 1/3$+"1/(9 $'"31$.' ()$ *(.$'(* (' ,) *$
()$/+' *(./$* #+ &' " 8 .$+' +"'6$ ()"'' , 1.')"8$ 3$$''
$;2$,($.' (2$+)"2*)/* 6+$"($*(&$+/(# "1 , '*/*($.

/' ()$ 6 . *$'*$ "' .) '$*(9 %/() %)/,))$ 2+$",)$. "1& *(# + ()$ #/+*((/&$ ()$ # 11 . ,(+/'$ # +$1/6/ '* (1$+"(/ ' : "' . /' ()/* +$*2$, ( )$ %"* ' ('19 '" 3$'$< #", (+ ("11 3'('" ./+$, ($",)$+ (, -$

1$+"(/ ' /' +$1/6/ '* &"(($+*)". /(/* (+ $ 3$$' $1 5 $'(19 /'*/*($. 2 ' 3$# +$ ()/* (/&$ '(()$+$ /* ' (& ,) ,)"+/(9 ' + 8' & ,) 2 1/(/, "1 *)+$% . '$** /' ()$.$&"' . # 2$+*, '($. 2$ 21$ # + 1/3$+(9 (' ()/' - "' . %J +*)/2 "* ()$9 ,) *$ (/* "' "1(6$()$+ ./#J$+$'(()/'6 # + &$' %) "+$ ' (2$+*$, ($. (' +6$ ()"(()$+$ *)"11 3$ ' ' 2$+*$, (/ ' # () *$ %) ./#/0$+ #+ &' ()$&' ' /&2 +("'(+ 8' '/&2 +("'(&"((($+* # 3$1/$# ' 1. (/&$* /(%"* # , +*$ ' ("("11 ', && '# + + 1$+*)"8/'6 2 %$+ (2 '/*))$+$(/,*'("3*("/'#+ &'. /'6* . '"(+$ + "2"()9 + ,1"' .$*(/'$ *9&2"()9 2+< 8'($./(: "' . #+ &' 1/-$ & (/8$* 1$'/$'(2 1/,9 %"* #+ &' (/&$ ((/&$ +$, &&$' .$. 39 2$+* '* %) %$+$ ' (+ 1$+* ,) +$, &&$' ."(/ '*) %$8$+ %$+$ &".$ +"+$19 "' . '19 39 () *$ %) ()$&*$18$* + ()+ 6) ()$/+ #+/$' .* %$+$ /'($+$*($. /' ()$ +$* 1(# ()$ 1$'/$'(2 1/,9 * 66$*($. /(%"* %/() 0$+$&9 "91 + "' . 8' (* &$ $;($'(%/() 7 /1(' ()$ & *(#"& * ".< 8 ,"($* "' . ,1"/&"'(* # (1$+"(/ ' /' ()$ $"+19 9$"+* # ()$ && '%$"1() R '$8$+ - '$% '$, '($' . $"+'$*(19 # + '(1$+"(/ ' # ./**$'($+* %) %"* ' ('$)/&*$1# T %$' *"/. %/() (+ ()/' !B?B K ' 2+$",)/'6 (1$+"(/ '/' ()$ 3+ ".$+ *$'*$ %$' %"* '$"+19 ()$ #/+*("2 *(1$ # '" '$% 6 *2$1

)$ ($&2$+ # & *(+ &"'9 # %$' * #$11 %(2 +/("'* "' . $*2$,/"119 # ()$ 2+$*39($+/"'* %"* 8$+9 ./##$+$'(8+ %"* ()$+$ '" (/&$ /' %)/,) +$1/6/ * (9+"' '9 %"* * 2$'19/'*/*($. 2 ' "* /'() *$ 9$"+* + * & ,) +)$(+/,

U8"* *$.'/''.$' ',/'6 R2+$($'.$.'1/3$+(9 #, '*,/$',$ T
R E (1$+"(/ ' T %$ "+$ (1.' /'' '$ # ()$ &"'9 (+$"(/*$*
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2/$,$ "'.',)/$#$'6/'$)$ % +-* 39 "(()/* (/&$(' H/) 1.'
)/* ((($+/'6 -/'6. &' (' /* ()$ & *(, &2$'./ *'
+$".9' * +$ %"9 (' .$*(+ 9 "1 +$)6/ '1"9 "1 %"*($' "'.'
3+/'6 /'' " '$8/1' (' /* " & *((+"'*,$'.$'(',"() 1/,' "'.'
'."&$'("1 $8/1 # +' ()/* -/'6. &' #"'9 '$ ()"(,"'' 3$
/&"6/'$.' E* +/6/'"1 */'' /* ()$ & *(# '."&$'("1 */''
)"8/'6 ()$ *$$.' "'.'*2"%'' #"1 /''/(' * ' " (1$+"(/ '')"()'
" ' $++ +* /'' /(' "'.' " ' $8/1*' (' /* "6"/'*(()$ %) 1$
*(+$"&' "'.', ++$'(# ,+/2(+$'3 ()'/''()$ 1.'"'.' $%'
$*("&$'(' 3 ()' /'' &"(($+* #"/()' "'.' &"''$+*' 3 ()'
6$'$+"1 "'.'2"+(/, 1"+ , &&"'.*' (' 8$+()+ %* " ' +$<
1"(/ '*' 2 1/(/,"1' $,,1$*/"*(/,"1' "'.' $, ' &/,"1' E'.'
%)$+$"* ()$+' $8/1*' %)$()$+' #H .6&$'(+'2+",(/,$' 3$
3 ("6"/'*(* &$ '$ +' (% ' 21",$* # ,+/2(+$ +'+$1"<
(/ '' ()/* /* "6"/'*("11' ()/* /* ()$ E3"..' 'E2 9 ''()$
.$*(+ 9$+' # "1 +$1/6/ '' ()$ "3 &/'"(/ '' # .$* 1"(/ ''
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E*' ,-$' & *(')"8$' 3("/'$.' * ,)' "' *(.$'(*)/2' /'' !BB ' +' !B G'%)$'' ()$+$'%"*' ' ' ,) +,)' #' '61"'.' "'.' %)$'' "1' '/8$+*/(9'1"%*' /'' /(*' #"8 +' %$+$' /'' "3$9"',$')$'%"*2+ 3"319' ' (' ()$'' ,"11$.' 2 '' (' .$,/.$' "*' (')/*' # (+$' 2+ #$**/ '' "'.' 2$+)"2*')$'%"*' ' (' ,"11$.' 2 '' # +' "'9' # +&"1' .$,/*/ '' '(/1' 1 '6' "#($+' ()$' ,) +,)' #' '61"'.' "'.' "1' /(*' 2+/8/1$6$*')".' 3$$'' +$*(+$.' (' /(' /*' & *(' 1/-$19' ()"(' %/() (' 21$.6/'6')/&*$1#(' "'9' , +*$' #' ",(/ '')$')".'*$+/ *' () 6)(*' #' $'($+/'6' ()$' ,) +,)' "'.'()"(' %/()'()/*' 2+ *2$,(' /#' ' (' '' ()/*' '.$+< *(" './'6')$'%"*' ' (' '19' "11 %$.'(') 1.')/*' *(.$'(*)/2' * &$%)"(' /++$6 1"+19' 3 (' %"*' "22 /'($.'(' ()$' , 11$6$' +$".$+*)/2*'/'' +$$-' "'.'+)$(+/,' "'.'(' ()$' ,$'* +*)/2' #' & +"1' 2)/1 * 2)9' %)/,)')$')$1.' 3$(%$$'' !BB!' "'. !BB?M ##/,$*' * "119' "**/6'$.' (' ,1$+69&$'')/*' "2< 2$"+*(')"8$' 3$$'' ()$' ,"1)'6' ()"(')/*' #"()$+' /'($'.$.

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)$ '61/*)' &$'' #*,/$',$ 3$# +$ ()/* (/&$)".' 3$$'' #$%'() 6)'* &$ # ()$&' # $;,$11$'(6$'/ *' F/11/"&' "+8$9' ()$ & *($&/'$'(# "11')".' ./*, 8$+$.' ()$,/+, 1"(/ '' # ()$ 31 .'/'' !B! ' "'.')".'() * 6/8$'' " % '.$+# 1'/&2$(*(' "11'2)9*/ 1 6/,"1" '.'-/'.+$.'*(./$* :"'.' "31$ &"()$&"(/,/"'*' 1/-$ "2/$+' "++/ ((' "'.' ++ ,-*')".' $', +"6$.' ()$+* (' &"-$ #+$*)' ./*C

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3$, &/'6' & .$*(9' (' , ',$"1' ()"(%)/,)' ()$9')"8$'
+$"* ''$' 6)' (' 3$' "*)"&$.' #' (' 2+ ,$$.')$'
'$;((% ' ."9* %$+$' *2$'(/'' .+"%/'6' ()$&' ''' ()$' +/6)(
)"' .' > +' "* ()$9' ,"11' ()$&')$+$')"' .C*) $A') +*."9'
"' .' ()$' 1$#( )"' .' +/."9' "' .' 11' 2+ &/*$' 9 ' ()/* %"*'
(% ' 6 .' ."9*' % +-' "' .' 1/((1$' $' 6)' (' 3+/'6' ()$&' ('
#/(&9')"' .*' "' .' (' , '*$'(')$' #$11 %*' %)/,)' "#($+' "11'
()$9' "+$' * ' #"+' #+ &' ()"(%)$'' ()$9' "+$' '' "&' "1%"9*'
"#+"/.' &9')"' .* *) 1.' 6 ' (' , ##* '$' %/()' "' ()$+'
()$9' * ' ./*"6+$$' "(+."9' %$' , ',1 .$.' ()$' 2+/,$'
, &2 ($.' "' .' ,)"'6$.' +' & '$9' # +'/(+$5 /+$*' '" 6+$"(
.$"1' #"+/() &$(/,' "' .' '" 6+$"(.$"1' #3+"*" ('2"9'(%$'(9C
$/6)(*(/8$+*' "' .' *8'' . /6)(*' 3 (' .')$' ()"' -$.'
()$9' "+$' "/1' %$11' #/(($.' %/()' , '($+*' # +' +$,- '/'6' # +'
()$/+' & '$9'/* 6 .' # +' ' ()/'6' $1*$' "' .' ' "&' 2 +')$+$'
%/()' &9' 2 ,-$(* # 11' #/(' ' % '.$+$.' "(#/+*(%)9' ()$'
&"+-$(2$ 21$' 3+ 6)(()$/+' %"+$*' /'' 1/((1$' ,"+(* .+"%''
39' '$') +*$' (/11' ' # '.'/('$,$**"+9' (',"++9') &$' ()$'
2+/,$' #' ()$&' # +' '") +*$C1 "." #' (+'/2*' % 1.')$' (% '
) +*$C1 "." #' & '$9' E' 2"/+' #' *) $*' ,"' ' ( )$' 6 (
'.$+')"1#' "9$"+' ' 1"($19' *"%' ()$' , %' -/11$.' (#
%) *$')/.$' ') 2$' ( )"8$' &9' '$;(2"/+')$' #/+*(()/'6'
"#($+' ()$9' "+$' &"++/$.')$+$' /* (' 3$*2$"-' ()$' ,)/1. *' , "('
"' .' (+ 19' ()$' 3+/.$6+ &' & *( )$' "' 3 '61$+' ()"(6$(* ' (
()$' ,)/1.' 3$# +$' ()$' &"'(1$')$' &". $' # +' /(/* #"+' $"*/$+

1/$+$‘ (‘)"8$‘ "‘ &"‘‘ &".$‘ ()"‘‘ "‘ * /(‘ ‘ 3$‘ *$+/ *‘ [%/()‘ 9 ‘ ()$9‘ "+$‘ ()$‘ *1 %$*(‘ 2$ 21$‘ "‘.‘ # 11$*(‘ #‘ .$1"9*‘ ()"(‘ 8+‘ ‘)"8$‘ &$(‘ %/()‘ "‘.‘ ()$/+‘ & ‘$9‘ "*‘)". T/

E#($+‘ "11‘ ()/* ‘"‘.‘ 2+$&/*/‘6‘ ()"(‘)$‘ ./.‘ ‘ (‘ +$6"+.‘ *-/11‘ /‘‘ 1 6/,C,) 22/‘6‘ "‘.‘/‘‘ ()$ 1 6/,"1‘ +‘ &$("2)9*/,"1‘ ./*2 ("(/ ‘‘ "*/‘‘ ()$&*$18$*‘ ‘$,$**"+9‘ 2+ #*‘ #‘ 1$"+‘/‘6‘ /(‘ /*‘ ‘ (‘ *(+"‘6$‘ (‘ #/‘.‘ ,-$‘ *"9/‘6‘ (‘ 91$‘/‘‘ ()$‘ 1$((($+‘#+ &‘%)/,)‘ "‘‘ $;(+",(‘)"*‘ "1+$".9‘3$$‘‘ &".$‘R‘ ‘)"8$‘ ‘ (‘9$(‘)$"+.‘ #‘"‘9‘2$+* ‘‘)$+$‘$&/‘$‘(19‘1$"+‘$.T‘ R‘)$+$‘/* ‘$‘ +‘ ,"+./ *T‘)$‘"..$.‘R%) ‘ ‘"&‘(1.‘ /* ‘ (‘ "1(6$()$+‘ "‘ *(+"‘6$+‘ (‘ ,)$&/*(+9‘ ‘ /‘($‘.‘(‘ 8/*/(‘)/&‘ "* * ‘‘ "* ‘ ," ‘‘ 6$(‘ "‘)"‘.* &$‘ 22 +(‘/(9‘)$‘ +$*(‘ #‘()$/+‘2)9*/,/"‘* 6 ‘()$‘ 1.‘+ ".‘ ‘ "&‘(1.‘ "‘.‘ $"*/19‘ 6 $**‘ 39‘()$/+‘ "2 ()$,"+/$*‘ *) 2*‘ %)/,)‘ "+$‘ ‘",5 "/‘($.‘%/()‘ ,)$&/,"1‘ +$&$./$*‘)/*‘ ‘ * 2< 2 *$‘"‘"-$*‘()/*(%‘‘ * ‘ /11C# +‘/*)$.‘%/()‘3 -* #‘()"(‘ -/‘.‘()$+$‘3$/‘6‘#$%‘)$+$‘, +/ *‘$‘ 6)‘(‘/‘5 /+$‘"#($+‘ ()$/‘/*(#9‘ +‘ $;2$+/&$‘("1‘1$"+‘/‘6‘ E‘.‘ "* ‘ ‘,$‘)$"+.‘9 ‘ *"9‘ ‘ #/‘.‘ /(‘ (+ $‘)$+$‘ "* %$11‘ "* /‘‘ ()$+‘ 21",$*‘()"(‘()$‘6+$"(‘,+9/*‘$‘.* #6 1.‘"‘.‘*/18$+ TK

91$‘"1%"9* "‘;/ * (‘ , 11$,(‘/‘#5+&"(/ ‘‘ #‘8+9‘ * +(‘ ‘‘ 8+9‘ (2/,‘ ()+ 6)‘ 8+9‘ ,)"‘‘$1‘ #+ &‘ 8+9‘ 2"+(‘ #‘()$‘% +1.‘3 ()‘#+‘)/* %‘‘ $‘1/6)($‘&$‘(‘"‘.‘# +‘ ()$‘ $‘1/6)($‘&$‘(‘ #‘()$‘ 9"1‘ ,/$(9‘"‘.‘/(* ;# +.‘ 3+"‘,)‘"22$"+* (‘)"8$‘ "*-$.‘ ,-$‘ (‘ *$‘.‘)/&‘ "‘9‘ ‘$%*)$‘ , 1.‘ 3("/‘‘ %)/1$‘ ‘‘ ()$‘ , ‘(/‘$‘(‘ ,-$‘ # +%"+.$.‘ "‘ 1/*(‘ #‘()/+($$‘‘ ‘$%‘) -* ‘‘ &$./,"1‘ "‘.‘ -/‘.+$.‘ (2/,* %)/,)‘)$‘)".‘ &$(‘ %/()‘ "1* ‘ "‘ *) +(‘ ",, ‘(‘ #‘ * &$‘ R2$(+/#H.‘6T‘ %"($+‘ R ‘ &$(‘ %/()‘ "‘ 0$* /(‘ %) ‘)".‘ 3$$‘‘ /‘‘ ‘6"+9‘ ‘ /‘5 /+$.‘ %)$()$+

4 ‘< #;3 5‘)K7 ‘ ‘/ 0 3‘* 3 3 #‘ 6‘G 3‘*KK
N M 3‘: 34 2 ‘2 3 5‘ A‘7 ‘ ‘M 3‘* ‘G 3‘*KA

)$)". *$$' ()$ &/'$* $ (1. &$()"( )$)". 6 '$
. %'/'(' , 22$+C&/'$ '$"+ $/* 1 >/# &/*("-$ ' (()$
'"&$A */;') '.+$.'#"() &* .$$2 :()"("()$3 ((&'/'
) 11 %' #* &$3/6'$**'()$+$.+ 22$.' . %'%"($+%)/,)'
()$9 +$,$/8$.' /' % .$' (+ 6) %)$+$/' ()$9 ,"*(
2/$,$* # 1.' /+ ''%K)/,)' 39()$%"($+%K 1.')$ (+'$.'
/'(6 .', H/2$+: ()"("2/$,$ #/+ ' # ()$3/6'$** # "
&"' * #/'6$+% 1.')$,)"'6$./' ()+$$ & '()*' "'.' ()$
& ("(/ '3$6"'#+ &'()$ * 2$+#/,/$*/'%"+.*%/()'*(+$"-*'
+'(' *$)/* % +.' *(+/"(&: ()"( )$)".) +*$*) $'
%) *$ $;($+/ +' 2"+("%"* , 22$+' "'.' /'*/.$ /+ ' TK F$
*)"11 *$$)$+$"#($+ ()"(91$)".' " 8"6 $' '*,/$'(/#/,'
3$)$# /' ()$ 2 **/3/1/(9 # (+"'*& (/'6 /'#$+/ +' /'('
* 2$+/ +' &$("1*' %)/,)')$ %"* "';/ *()"(3 ()' ,-$
"'.' $%('*) 1.')$12)/&'('8$+/#9

 8+"1 1$(($+* ()"(,-$ /* -' %' (')"8$ %+/(($'
#+ &' 1$8$ (')/* #+/$'.* /' '61"'.')"8$ '# +('"($19
3$$''1 *(' '$ ()"( )$ *$'((' +'D , ,-$'()$;# +.'
2+ #$** +' $"+19 /'' 0"' "+9K. 3(1$** , '("/'$.' &"(($+'
()"(% 1.')"8$ 3$$''8$+9/'($+$*(/'6(' *' # '* *$+/$*
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8$+' '19 '$ /* $;("'(:' 3 (()$/+1 ** /* 1$** (' 3$
+$6+$(($.' "*' #+ &' ()$ ($' +' # ()$ '$ %$)"8$' /(
% 1.' "22$"+ ()"(()$9 * 3*("'(/"119 "6+$$.' %/()' ()$
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N M 3 : 34 2 '2 3 5' A 7 ' 'M 3 * 3 G 3 *AA 3
ÜK ;' - ' = ') ' - ' *$+/$* /'# '*6 --7 ' '
#3 *A = A' " # 3 *AA :A

%, -$%"* ,, 2/$. "2"+(#+ &. /21 &"(/,%+-
. +/'6 0"' "+9 !BB CB %$ "+$ ' ((1.)$ '19
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"..+$**$.(0 *$2) F/11/"&* '/&219/'6()"( )$)".
' (+$,$/8$."'9 1$(($+* #+ &)/* #+/$'.* "( ) &$ */',$
)/* .$2"+(+$ "'.'()"()$%"* & ,)./*"22 /'($.'()$+$"('
&$ "++"'6$&$'( )".' 3$$'O&".$ %/()' . 12)/'# +
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##/,/"1 ./*2"(,)$*:K) (' 2$+)"2* ()+ 6)' ' #" 1(#
. 12)/'*' '$%$+$() * (+"'*&/(($.'"("'9+"($ 2
('()$!B()' #0"' "+9%)$'' ,-$%+ ($(F/11/"&* ''
R)$ -' %1$.6$ ')"8$ #9 +,/8/1/(9Q')$ ()$+$*"/.'
R &"-$* &$, '#/.$'(19 .$*/+$ 9 '()"('/# "'9 1$(($+*
#+ &'"'9 # &9#+/$'.* /'' '61"'.'('&$, &$ ('9 +
)"'.*'9 '% 1.'.' &$ ()$#"8 +'('*$'.'()&' &$/''
()$ 2",-$((' /+' F "1($+' E11 ()$+'%"9* # , '8$9"',$
)/()$+' "+$ *' ((($+19 '-' %'' (' &$' "'.' 6/8$ &$ *'
1/((1$ 2$* # +$,$/8/'6 "'9 1$(($+*'()"(9 '%/11 2"+. ''
()/*+$5 $*(('" &"''()"(/* '%/1)'6(')$.$2+/8$.' #
()$, ++$*2 '.$',$ # "11 () *$ #+/$'.*"'.'()$ -' %<
1$.6$ #* &$ "##"/+*')$ 1$#(/''61"'.'"'.'%) ') 2$*
()$ 6+"'(/'6 #/(%/11' (, *(9 '& ,)'(+ 31$ T K
,-$)".'' (('%"/(8$+9 & ,)'1 '6$+') %8+'('
-' %) %)/*#+/$'.*"'."##"/+*%$+$6 /'6 ''/'' '61"'.'
F/()' /+' F "1($+' "'$)$ 1$#(' +' "("'9 +"($ /(%"*
"++"'6$.'()"( )$ *) 1.' 1$"8$' ()$,"2/("1 # +"'.$'<
3 +6' '' ()$ ()' # $)+ "+9 S "'.')$ %"* /'' '. ''
"6"/''* &$#$%'."9* 3$# +$ ()$ '.' # ()$ *"&$ & '() K

* M 3' 342 '23'5' A'7 ' 'M 3'*'G 3'*AA
/ K '- '= ' '- ' '3# '*6'--7' ' '
#3*A= A'" #3*A :A
U ' '3# '* '7 % #' ' #; #3A=*A', 03*AA :A
N '<#;35' '7 ' '/ ! 3 ', 03*AA :A

. /'6* "((1//* 2$+/ .' /* , '("/'$.' /'' '" 1$((($+' ()"( )$'
". .+$**$.' (' 3$+(' 91$' "#($+')$')".' +$(+'$.' ('
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)".' *$'(')/&' . %'' "' 3"+ &$($+' %/()' %)/,)' (' &"-$' 3<
$+8"(/ '*' , ',$+'/'6' ()$' ($&2$+"(+$' /'' ./##$+$'(' 2"+('
$*2$,/"119' /'' ()$' 1$".' &/'$*' ()$'' "'.' # +' * &$' 2+$8/ *'
,$'(+/$*' % +-$.' /'' ()$' 7$'./2' /11*'.' "'.' ,-$' %+ ($'
"'' $'($+("/'/'6' "'.' /'*(+ ,(/8$' +$2 +(' #)/*' $## +(*' ('
&"-$' ()$' .$*/+$.' 3*$+8"(/ '*' "'.' # ()$+' &"(($+*'
, ''$,($.' "'.' ./*, ''$,($.' ()$+$%/()

R'E*' * '' "*' ()$' 3"+ &$($+' ,"&$' (' &9')"'.*T')$'
*"/.' &' '+ .$(' 7$'./2' %/()' "''/'($'(/ ''(' &"-$' *$' #
/(' ()$+$' /'' '$' # ()$' .$$2$*(' 6+ ##*M# +'*' '()$9' ," ' ()$/+'
2/(*M ' , 1.' #/'.')$' .$$2$*(' ' , 1.')$"+' # %"*'
"3 (' ()/+(9'#"() &*') (' ()$' .$*,$'(' *'#"+'$/()$+'#+ &'
$"*9'*"#$' +' 2$+2$'./, 1"+' ()"(' '%"*' ./*, +"6$.'#+ &'
$'($+/'6' '' /(')$9'.'' (' "*/''%$11*'*/'-' ()$/+' 2/(*
(+"/6)('. 8'/'3 (' " ()$' ,+"''/$*' # ()$'+ ,-*' 6/8$' ()$&'
()$' $"*/$*(' 2"**"6$' '$/()$+' "+$' ()$9' 1$('. %'' 39'"+ 2$' :
) (' ("-/'6' ()$' + 2$' '.$+' ()$/+' "+&' 39' *$((/'6' ()$/+'
)"'.* "'.' 1$6*' "6"/'*(' ()$' */.$*' # ()$' '"++ %' 2"**"6$'
,1"&3$+' 2' "'.'. %''%)/,)' /*' ' (' 8$+9' $"*9'#+' '$' ' ('
*$.' (' /(' "'.' "1& *(' /&2 **/31$' (',"++9'. %'' ()$'
3"+ &$($+' 3 ()' ()$')"'.* 3$/'6' $&21 9$.T 9'()$*$'
3*(",1$*' ,-$' %"*' .$($++$.'#+ &' 2 +* /'6')/*' *,/$'(/#/,'
3*$+8"(/ '*' : 3 (')$' *$'(' (' 91$M%)"(' /*' (' *' /#' /('
%"*' ' (' (')/&' & +$/'($+$*(/'6M* &$'/'# +&"(/ ''"3 ('
()$' 2$ 21$' $'6"6$.'/'' ()$' &/'$*

$' ./.' ' (' #/'.' ()$*$' &$'' +' ()$/+' %"9*' 8$+9' $'<
1/6)($'$.' () 6)' 2$+)"2*' /(' %"*' ' (' *(+"'6$' ()"(' ()$'
3"+ &$($+'*) 1.')"8$'#+/6)($'$.' ()$&' R')$' */6)(' #
()$' $'6/'$T)$' *"/.' R'"'.' &9'.$*/+$' # 6 /'6'. %''/'(

( ) $ ' ' ,) " ' , $ 11 + ' # ( ) $ ' ' / 8 $ + * / (9 ' ' . , & $ ' (' # 6 + $ " (' * / 6 ' / # / , " ' , $ ' E . . + $ * * / ' 6 ' A + ' $ 11 ' ( ) $ ' 8 / , $ C ,) " ' , $ 11 + ' " ' . ' ( ) $ ' * $ 8 $ + " 1 ') $ " . * ' #) * $ * ' 1 " + $ ' . ' ' ( ) * ' % + ($ ' M

' 2 (3 & ' ' 5 " -
) ' ' 2 ' 1 ' ' ! ' ' " ! # ' 3 ' ' ' '
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) " (' + $, & & $ ' . " (/ ' ' " 1 & * (' $ 5 / 8 " 1 $ ' ((' ' , & <
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. $ 6 + $ $ * ' # " 1 ' * + (* ' % $ + $ ' / ' ' ( ) $ * $ ' 9 $ " + * ' 6 / 8 $ ' ' " % " 9 ' / ' '
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' $ 6 1 $, ($. ' 9 $ (' ( ) $ ' ,) " ' , $ 11 + * ' / ' * (+ , (/ ' ' % " * ' ('
) $ $. $. ' (' / * ' $ 8 / . $ ' (' ( ) " (' " 1 + $ " . 9 ' " . 8 $ + * $ ' / ' # 1 $ ' , $ * '
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()$' 9$"+*' /'' J%)/,)'/(' [b"*' "11 %$.' (')"8$' # +,$' (' JJK"*
#'/& &$./"($' 3$'$#/(' /'' $' "3)'6')/&'/'*($".' #'6 /'6' '(
/'('()$' O% +1.'/'' *$"+,)' #' ()$+' ,, 2"(/ '' ('+$&"/'' "(
()$' '/8$+*/(9' "'.'('2 +* $')/* *(./$* /'' &$./,"1' "'.'
-/'.+$.'* 3H$,(*

/* 1.' #+/$'.' " .') &"* %"* ' %'2+",(/*/'6' "* "
. ,(+' "(' ;# +.' "'.' ,-$' *$$&* (')"8$' ",($.' "*)/*
"**/*("'('+'2$+)"2* 8'' ('')"8$' 3$$'' "' * +(' #H '/ +'
2"+('$+' %/()')/&K')$9' %$+$' "(' "'9' +"($' % +-/'6'
(6$()$+'/'' "'.' "#($+' ()$' $"+19' * &&$+C(/&$' #'!BBB' "'.'
#+ &' ()$'#+"6&$'(* #, ++$*2 '.$',$'()"(' "+$'$;("'('/(' /*
$O8/.$ (' ()"(' 3$*/.$* ()$/+' *(+/,(19' 2+ #$**/ '"1' ,, 2"<
(/ '*' ()$9' %$+$' 3 */19' $&21 9$.'/'',)$&/,"1' $;2$+/&$'(*
"'.'/'' ()$' , 11$,(/ '' # .+ 6*' 2"+(19' "(' 91$ * /'*(/6"<
(/ '

R'E,, +./'6'('()$' ./+$,(/ '*9 '6"8$'/''9 +'1"*('1$(($+'
('7+') &"* T' ,-$' %+ ($' ('' 91$' /'' $3+ "+9
!BBBC' R' ')"8$' $'.$"8 +$.' ('' 2+$2"+$' 2"+ '9,)/"'
"'.'' ()/'-' '*)"11' 3$' "31$' ('2+ , +$' 2+$((9' 6 .' *(+$'
#'/('')$'#/(($*('(/&$' '* 22 *$'('6"()$+'/('%/11' 3$'%)$''
/('3$6/'*('3$'/''#1 %$+'%)/,)'%/11' 3$' "3 ('"# +('/6)('
)$',$'()$' *2+/'6')$+$"3 (*' ' ('3$/'6' 8$+' # +%"+. T'R
R' "8/'6'#+ &'" 2"**"6$'/'' 9 +'%+/(/'6'* ("-$''()$' #/+*('
' (/,$' #()$' (/&$' #6"()$+/'6' 2,$ '9' + (*' "'.' */',$'
#/'./'6'/('/''()$' 3*$+8"(/ '*, && '/,"($.'(' /8$+/ *'
%)$+$'()$' 3*$+8$+' *"9* /(' & *(' 3$' 4/',1/'"'($' 1/&"' /''
E+/$($' $;/*($'($'%)/,)'"1* ' ' F +(=' , '#/+&* %/()' ()/*
"../(/ '' ()"(' /(' & *(' 3$' /'' E2+/1' %)$'' 1' /* /'' E+/$*'
"'.'"(' 21$'/1 '/ &'3$# +$'()B' +/*/'6' # ()$* ' T' %$' +$".'
/'' "' ()$+' # ,-$ * 1$(($+* (' 91$' R ' + .$' (' "' 21",$'
%)$+$' %"* 2+$((9' 6 .' &"1$' 2 $ '9' "'.' '' /)$' !?()

÷ ? ' 2 # ' ' ! ' ' ' '# ! '# ' #
' 3' ÷ 3f 2 ' 2 3' 5' 7' ' ' M 3' 6' , 0 3' *A$$:

/ ' * (" ' (' 3$(%$$ ' ' ($ ' ' " ' . ' $1$8$ ' ' / ' ' ( ) $ ' & + ' / ' 6 ') " . ' * &$ '
+ (' . 6 ' 2 ' " ' . ' " &' 2+ &/*$. ' ( ) $+ ' * (' 3$ ' . 6 ' 2 ' ' ' ( ) $ '
@ ( ) ' / ' * (" ' (3$# +$ ' * ' +/*/ ' 6 ' # ' ( ) $+$ ' 3$ ' " ' 9 ' " . 8 " ' ("6$ '
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& ,) ' (' 9 ' ( ) " (' *) 1 . ' 3$ " ' ' ' % +( ) 9 ' +$ " . $+ ' # 9 +'
%+/(/ ' 6 * ' /# ' *) 1 . ' ' (' +$(+' ' 9 ' &9 ' ( ) " ' - ' " ' . ' ##$+'
9 ' * &$ ' 2 "+(' # ( ) $*$ ' + (* T ' K ' ' ( ) $*$ ' " ' . ' ( ) $+ ' 1$(($+ '
#+ &' , -$ ' (' 91$ ' " ' . ' / ' ' 1 " ($+ ' 1$(($+ ' #+ &') &" ' ('
, -$ ' , , +' ( ) $+ ' 2 " ** " 6$ ' +$#$++/ ' 6 ' (' ( ) $/+ ' . + 6 ' , 1<
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( ) $ ' $ ' " +$ ' ' (' ' %' # & ,) ' 6$ ' $+ " 1 ' / ' ($+$ ' (' " ' . ' ( ) $ '
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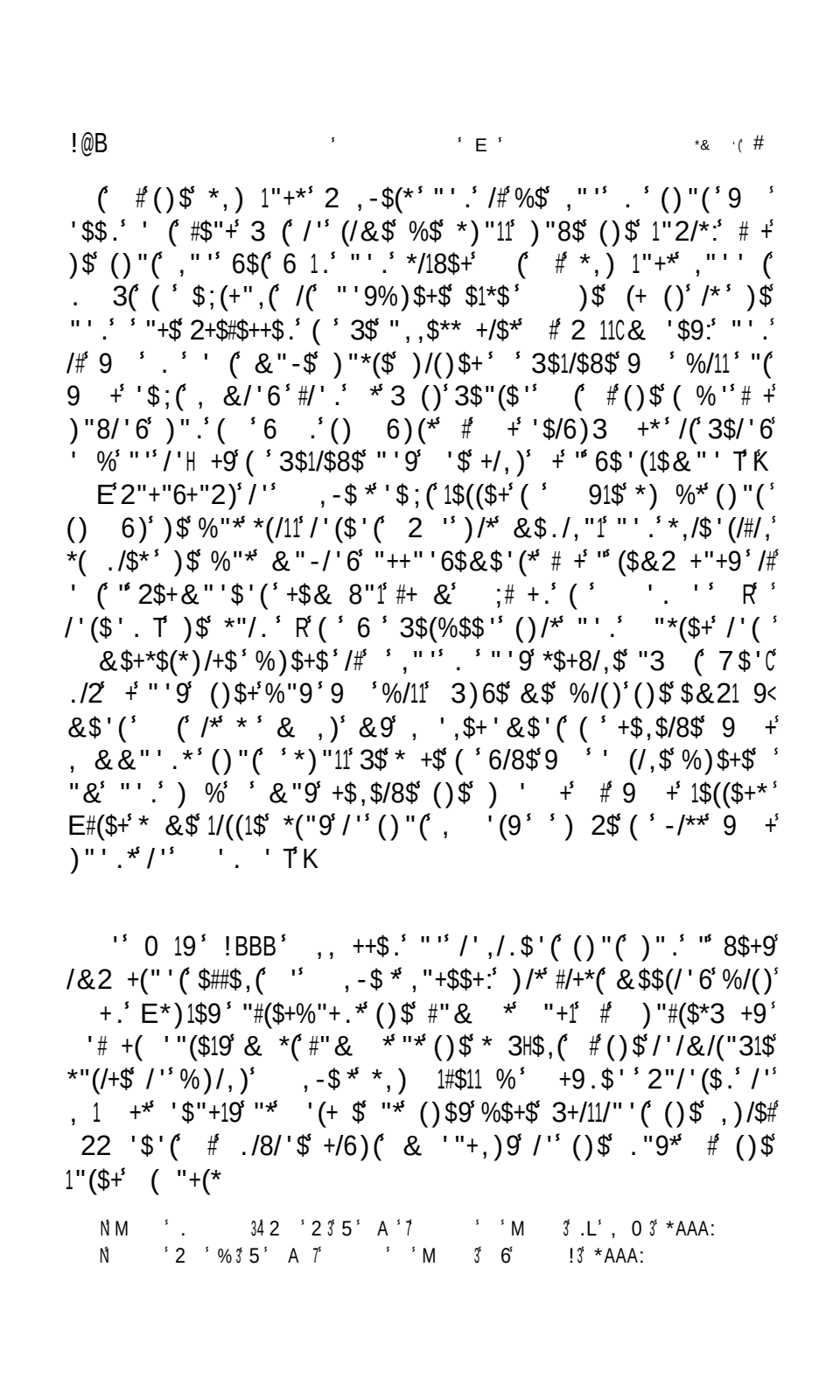

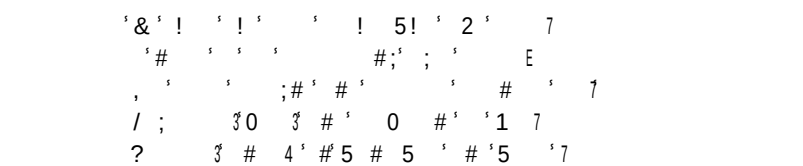

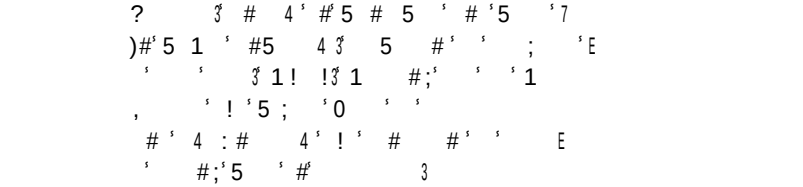

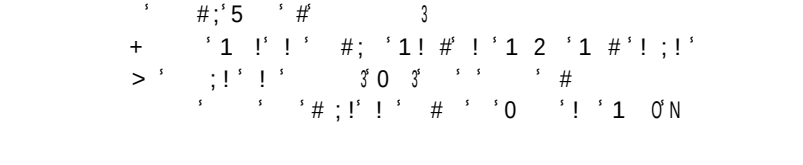

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, -$' 1/-$' ()$' 1"(/(./'"+/"'*'/'. 16$.'/'' &"'9') 2$* ()"(' %$+$' '$8$+' (' 3$' +$"1/*$.' "* (' ()$' /** $' #)"+1$* ()$' $, '.* +$*(+"(/ '' (')$')".' * &$' 6+ '.' # +' "*-/'6' ()$' ./**$'($+* (' 6/8$' " #"/+' (+/"1' (' ()$' 1/3$+"1' *,)$&$' # $,,1$*/"*(/,"1' 6 8$+' &$'(' %)/,)')' $' 1/-$' & *(' ()$+' & .$+"($' 2 1/(/,/"'*' 1.' "* F$11' "* 9 '6' 3$1/$8$.' ()"(' ()$' -/'6' %"* 2+$2"+$.' (' ". 2(: "'.' /(' %J"* ' (' %/() (' +$"* '' ()"(')$' 2 /'($.' (' ()$' 2+$*39($+/"''(9+"''9' # ()$' 2"*(' (% ' +' ()+$$' 9$"+* /'' * 22 +(' #)/* 21$" # +' " 2+$1",9' ()"(' *) 1.' ' (' 3$' "11 %$.' (' 3$' (9+"''/,"1' R' /',$' '#/'.T')$' %+ ($' &' ()"(' " 6$'$+"1' #+$$. &' /* 3 (' " 6$'$+"1' 3 '."6$' ()"(' ()$' 2 2 1"+' "**$+($+* # 2 31/,' 1/3$+(9' "+$' ()$' 6+$"($*(' $'6+ **$+* # /(' (' "'.' ' (' '< #/(19' ,"11$.' /(* -$$2$+*' ' -' %' ' (' %)$()$+' $;2$+/$',$' % 1.' ' (' 6/8$' * * &$' +$"* '' (' ()/'-' ()"(' %$+$' ()$' 2"+(' # #+$$. &' , '($'.$.' # +' 39' +' " () +' 6$'$+"119

/' . 16$.' /'' '61"' .' /(' % 1.' 2+ 8$' '19' '" 1/3$+(9' # +' , '($'(/ '' ,$'* +$' "' .'2$+*$, (/ ' T' R' ', "' ' (' (1//' - T')$' ". .$.' R' ()"(' ()$' 3$'$#/(*' #)3$+(9' , '*/*(' /'' '" 1/3$+(9' # +' &$'' "(' 21$"* +$'(' ". 2(' ()$&*$18$*' ,)/1.+$'' #' .' "' .'#+ &' ()$',$' "** &$' '" (/(1$' (' /')$+/(" ',$*')$+$' "' .' 2+ ,1"/&' ()$&*$18$*')$/+*' #' ()$' % +1.' ' +' '" 1/3$+(9' # +' "&3/(/ *' &$'' (' 2 11' . %'' %$11C#+"&$.' , '*(/((/ '*' ()"(' (' #()$' + /'*' ()$9' &"9' 3 /1.' ()$&*$18$*' # +('$*:' ' +' '" 1/3$+(9' ('3$')+/*(/"'K'* ' "*' ' (' ('3$'* 3H$,(*' E11' ()$' #+$$. &' ' ," '' %/*)' &9' , '(+9' +' &9*$1#/*' (' $'H 9' ()$' 2+ ($,(/ '' # () *$' 1"%*' %)/,)' ()$' 2+ .$',$' "' .' 2+ C' [8..$',$' # +' "' ,$*(+*' $*("31/*)$.' "' .' ()$')"229' +$(+'' #)/*' &"H$*(9')"*' +$*(+$. TK

,-$' 1/8$.' (' ./*, 8$+' ()"(')"+1$*' ()$' $, ' . *' +$(+'' %"*' ' (' '" 8$+9')"229' '$' # +')/*' * 3H$,(*' $' '$8$+' "3"' . '$.')/*' ()$ +$(/,"1' ".)$*/ '' (' '" , '*(/(< (/ '"1' & '"+,)9' %)/,)' *) 1.')"8$' 2 %$+' (' +$*(+"/'' ()$' $,,1$*/"*(/,"1' =$"1' () 6)' ' (' ()$' 2 +$19' +$1/6/ *' ($'$(*' #()$' 2$ 21$' 3 (')$' 2+ 3"319' * '' #$1(' ()"(' /(% 1.' 3$' '.$*/+"31$' (' 2 31/*)' ()/*' (+$"(/*$' /#)$')".' 8+' () 6)(' #. /'6' *

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+‘ ()$‘ 3("/‘/‘6‘ ()$‘ #"8 +‘"‘.‘# +6/8$‘$**‘ #‘()$‘ $/(9‘ ()$‘ ,)/$#‘ 2"+(‘ #‘%)"(‘ &"‘‘, 1.‘.‘, ‘*/*($.‘/‘‘ "‘) 19‘ 1/#$‘ "‘.‘ 1/((1$‘ +‘ ‘ ()/‘6‘ "(‘ "11‘ %"** 1$#(‘ (‘ (%"+.‘ ,$+$< & ‘9‘%K)/,)‘%"** ()$+$# +$‘ "1& *(‘%) 119‘,"*)/$+$.‘ (‘ # ()/** (+ $‘ +$1/6/ ‘‘"‘.‘ ‘19‘ (%‘ 8$+9‘ 21"/‘‘"‘.‘*/&21$ /‘*(/((/ ‘** /‘(+ . ,$.‘"11‘ 2 &2 ** +/($** 3$/‘6‘%) 119‘ "))*)$.‘"‘.‘‘‘ & +$‘ # (%K"+.‘ 3*$+8"‘,$** , &< &"‘.$.‘3 (‘H *(‘* ‘ & ,)‘"** .$,$‘,9‘"‘.‘ +.$+‘+$5 /+$.‘ /‘‘()$‘",(/ ‘** #2 3),‘"**$+531/$*‘)/** 3$/‘6‘()$‘*("($‘ #‘()/** (+ $‘ +$)6/ ‘‘, &/‘6‘/&&$./"($19‘#+ &‘ .‘)/&< *$1#‘()$‘ &/‘/*($+** #‘/(‘%) ‘"1* ‘,"11‘()$&*$18$** 2+/$*(*‘)"8$‘"** &$.‘(‘()$&*$18$**‘()$‘2"+(** 3 ()‘ #‘()$‘)$"()$‘‘ 2+/$*(** "‘.‘2)/1 * 2)$+*‘"‘.‘,1"/&‘ "‘ +/6)(‘ ‘ (‘ ‘19‘(‘ 2$+# +&‘ "11‘ (%"+.‘",(** #‘()$‘)+/*(/"‘‘ +$1/6/ ‘‘/‘‘ 2 31/,‘"‘.‘(‘+$6 1"($‘()$‘,$+$& ‘/$** (‘ 3$‘ *$.‘()$+$‘ 3 (‘"1* ‘(‘($",)‘&$‘‘()$/+‘. (/$** #& +"1/(9‘(%"+.** ‘$‘ "‘ ()$+‘"‘.‘(%"+.** ()$&*$18$*‘"‘.‘(‘2+$*,+/3$‘(‘()$&‘ /‘‘()$‘, ‘. ,(‘ #‘()$/+‘1/8$*) ** , ‘‘$,(/‘6‘ ()$‘)+/*(/"‘‘ 2+/$*(** +‘ ,1$+69‘%/()‘ ()$‘ 2+/$*(** "‘.‘2)/1 * 2)$+** #‘"‘,/$‘(‘(/&$*‘"‘.‘*$2"< +"(/‘6‘()$/+‘ &$() .** #+ &‘()$‘ */&21$‘+ 1$** #‘)+/*(/"‘/(9‘ "**)$‘ ‘.$+*(.‘/(‘ ,-$‘ *$8$+$19‘ 31"&$.‘()$&‘ # +‘ * ‘ 2$+8$+(/‘6‘()$‘+$1/6/ ‘‘()$9‘2+ #$**$.‘()"(‘R/(‘)"()‘3$$‘‘ ()$‘," *$‘ #‘& +$‘./* +.$+*‘(& 1(** "‘.‘31 .*)$.‘()"‘‘ " ‘ ()$+‘," *$** 2 (‘(6$()$+ T‘ R‘ (‘#"+‘3$‘/(‘#+ &‘"‘9‘ ‘$T‘)$‘"..$.‘R‘(‘()/‘-‘)+/*(‘()$‘" () +‘ #‘()$*$‘./*< +.$+*‘ +‘ ()"(‘ * ,)‘#"("1‘ &/*,)/$#** "+$‘()$‘, ‘*$5 $‘,$‘ #‘)/** . ,(+/‘$‘() 6)‘()$9‘)"8$‘6+ %‘‘ 2‘%/()‘/(‘ E‘(/< ,)+/*(‘)"** * %‘‘() *$‘("+$** /‘‘()$‘#/$1.‘ #‘()$‘,) +,)‘()$‘ +/*$‘ %)$+$ #)"()‘ 3$$‘‘ ‘19‘)$(/,$M()"(‘ ()$‘,1$+69‘ 39

‘B) 2‘ 1/‘‘‘‘<#‘ <"‘ ‘?(-0‘*),0C?(‘(D 2/02‘ ?0‘0(0‘‘(‘)‘ ?0‘(D)-0‘07 (.‘&* 1/‘)1@B).E0%** C) 2**‘?)C0-0‘(12‘1)‘(0 1/‘ ?**‘*01*0

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,-$'*((19' .$'/$.'()$' "=/() +/(9' #'()$*$'/'* 1$'(' "*< * &2(/ '*' "'.'# +,/319'*$(' # +()' ()$/+' &/*,)/$8 *' '"(+$' R')$' ,1$+69' "* ()$9' ,"11' ()$&*18*' #' ()$')+/*(/"''' +$)6/ '' /'' /&/("(/ '' #' ()$' 0$%/*)' 2+/$*() .')"8/'6' "1& *(' 8+'*/',$' ()$'#/+*(' "6$*' #' ()$',) +,)'1"/.',1"/&'(' ()/*' 2 %$+' *$2"+"($' #+ &' ,/8/1' 6 8$+'&$'(' "* +$,$/8$.' #+ &' .')/&*$1#')"8$M%)$+$8$+' ()$' ,/8/1' &"6/*(+"($')"()' 3$$'')+/*(/"'' "'.' #()$/+' 2/'/ '' "'.'* 2$+/ +' /'' 2 %$+' (' ()$' ,1$+69' "'.'()$9' (' "31$' (' , 2$' %/()')/ 'M' 2+$($'.$.'()/*' 2 %$+' '19' (' 3$*2/+("1' "'.'('$;($'.'' ' #"+()$+:') (' 9$(' *(/11' 2+$**$.'"* '* . (9' ''()$' &"6/*(+"($(' 2 '/*)'"'.'2$+*$, ($'() *$%) &'()$9'./*1/-$.'"'.'.$,1"+$.' "6"/'*(: "'.'* '%)$''()$9'$;, && '/,"($.'()$/+' '.$+' ##/,$+' ()$' &"6/*(+"($' %"* (' $;$, ($' E'.'('+$%"+.' 2+/',$* # +' () *. /'6'()$/+'.+ .6$+9'()$9')"8$'%)$'8+' 2+/',$*)"8$' 3$$''*$+8/,$"31$'('()$/+'$'.*' 3$$'',"+$# 1' ('2+$",)' 2' & '"+,)9'9=0+$! " '%' 3 (' ' (%/()*("'./'6' ()$8 ' ")' #& '"+,)9'%)$''"'9'2+/',$*)"()'."+$.' ('./**$'(#+ &'()$/+'. ,(+/'$* +'# +&*' +'3$$''1$**"2(' ($;$, ($' ()$' .$,+$$* #' ()$')/$+"+,)9' ()$9')"8$'3$$''()$' #/+*(' "'.'# +%"+.$*(' /''6/8/'6' ,)$,-'(')/*" () +/(9' "'.' ./*(+3"',$'(')/*6 8$+'&$'(' E'.'2+/',$*' ''()$' ()$+' */.$' 3$/'6' "2(' (')$"+-$'' (' * ,)' "* *$$&' (' ".8"',$

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) 6)'%$ -' %'()"(. +/'6 ()$*$ 9$"+* ,-$ %"* .$8 (/'6 & ,)' #)/* (/&$ (&$./,/'$' ,)$&/*(+9'"'.' ()$+ *,/$',$*' /(/* 2$+)"2* 1$** *(+"'6$ ()"(' '$ #)/* 3*$+8"(/ '* ()$+$ 2 '' *"8$ * ,)' "*)"8$ 3$$'' "1+$".9 +$#$++$.' ('/'' + ' (/,$* #)/* , ++$*2 '.$',$')"8$, &$. %'' (' *'()"''()"(%$)"8$ *'#$%'+$, +.* #)/* 2"**/'6 () 6)(* '2)/1 * 2)/,"1 * 3H$,(*')"( )$ &".$ &"'9 * ,)' ,"'')"+.19 3$. 3($.' 3 (/# * ' ()$9)"8$ '$"+19 "11 3$$'' 1 *(' '19 (% ' 2"**"6$* /'')/* , && 'C21",$ 3 -' , &/'6 '.$+ ()/* ,"($6 +9' *$$&' /&2 +("'($' 6)' (' 3$)$+$ 5 ($.' (()$*$ (% ' "+$ 8$+9 /&2 +("'(' "* ()+ %/'6 +$&"+-"319 ,1$"+ 1/6)('()$ *("($ #)/* &/'.'"(()/* 2$+/ .

)$ #/+*(' %)/,)' "22$"+* (')"8$ 3$$'' %+/(($'' /'' !BB!' + * '' "#($+')$12* (' *) %' ' ('19 ()"(,-$)".' 1"+6$19 /&3/3$.'"'.'6+$"(19 /&2+ 8$.' 2 '' ()$ (/1/("+/"'' 8/$%* # 33$*' 3 ("1* ' ()"( )$)".' &".$ $' 6)' H ",(/,"31$ 3*$+8"(/ '' # * &$ 2$+21$;/'6 * ,/"1 2+ < 31$&* ('# +&'"H *($+' $*(/&"($ # ()$&' ()"''()$ % +1.' "#($+' 1$"+'/'6 * ' & ,)' #+ &')/&' /* 9$(5 /($ +$".9 ('". Z(

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)D*0 -( )1' CD $9D' ' 2)' 1) ' 0.0 -0' (12' *&D , ')' C ?' -010 ( )1' (12' (.E&)C4 02) , 01 ' @0 ' ' ? 1E' ' , (@' .)1 201 @' (,' ?(' ?0' ?@' ') ?0* *' C? .?' 02' ?0')1/' (12' 0 (D) (0' 2 *.)& *0*') ' ?0' (1. 01 * ' (12' *& 0 02' 1) ' D0 ' 01K& 0*')' 07 012' ?0 , *0 -0*' (1@' (?0 ' ?(1' ?)C' ?0' '?01) , 01(') ' 2 *0(*0*' , /? ' D0' 07' (102' D@' ?)*0' 2) . 10*' (12' ?0' & 0*') ' ' (. .0' (..) , ,)2(02')' ?0' 0.0 -02' ' 1. ' 0* ' ?(*' (' (* ' D& ' .)1 102' (12' 1(J)C02' , 014*' ?)&/? * ' (,&*02' ?0 ' &120 * (12 1/' C ?' 10' D& ' &*0 0*' *'0.& ( )1* ' (12' 2 -0 02' ?0 ' 01K& 0*') , ' ?0' &0' (12' (2-(1 (/0)&*' E1)C4 02/0') ' ? 1/* ' !?0' 1))1*' ?(' ?(-0' D001' (*02' 1)' , 014*' ?0(2*' D@' 0 ,) 0' *'0.& (-0' ' 1. ' 0*' ?)&/?' &0' (0' E0' ?0' .&)&*' , (/0 @' , 01' *) , 0 , 0*' *00' 1' ?0' .)&2*' C? .?' ?0@' (0' ' 0(*02')' .(' ?0' ?0(-01*' C? .?' ?)&/?' ?0@' (0') ' ?0' ,)*' ' (' (1 (* .(' (12' (' D0* ' D& ' ?0' (.. J 201 (' .)1 07 & 0') ' (' , * ' @0 ' 2)' 0(@' ? 120 ' ?0' * /? ' (12' *?(2)C' ?0' ')*' 0. ' (12' ?)&/?' ?0*0' ' (1 02' (' ' ( )1*' (0' (*02' D@' ?0' *&1 ' (12' *00 , ' ?0' /01& 10') *' 1/') ' ?0' / 0(')&1 (1') ' /? ' @0 ' ?0@' (0' 0(@' 1) ? 1/' D& ' 2(E10*' (12' (' .)&2' ' (12' C4?)*)0-0 ' *?(' (-0 ' C4 ?' ? *' 0@0' 702')1' ?0*0 ' 4 *' 01')')10' /)0*')& ') ' ? *' C(@' 0' ?(' 1' '?@* .' *?(' (@' 2)C1' &12(, 01 (' , (7 , *' (12') ,' ?01.0' 2 (C 1/' .)1*0K&01.0*' (12' (* 1/' 2 *' & 0* ' *?(' 02&.0' ' 1)' ?0' 0/& (') ,') ' (' *. 01.0 ' ?(*' 12002' 2)10' *) , 0 ? 1/')' 01 (/0' ?0' (') ' (E 1/' (12' '0 ?('*' (2' (')&12( )1') ' 012 0*' 2 *' & 0* ' D& ' '?0' ?) '0*')' D 1/' , 01' D@' *&.?' (' *@* 0 , ')' ?0' E1)C 02/0') ' ?0' 1 , 0*') ' , 014*' D)2 0* ' ?0' .)1* &)1' 1(& 0' *4/1* ' .?(1/0*' (12' ? *) @') ' 2 *0(*0*' C ?' ?0' *(0' (12' 2 *. 00 ' C(@') ?0 ' .& 0' (E0*' , &.?' C%?(' (' E0' .)& *0' C& ?' ? , ' ?(' *?)& 2' C(E' &' ' (12' 2)C1' 1' (' ? .E' C))2')-0 /)C1' C ?' D (*' (12' ?) 1* ' C ?' (' 20* /1')' (E0' (' - 0C' (12' 2 (C' (' , (') ' ?0' .)&1 @' ! ?0*0' *'0.& (-0' ?0) 0 , *' 2)' (*' 0' (2-(1 (/0' ?0' '?@* .' (*'))2') ' , 01' (12' ?0' ?(' ? 1E*' ?0' .(, 0')' D0' *E 02' 1' 2 *0(*0*' D@' * &2@ 1/' ?0' 2). 10') ' ?0' ?& ,)& * ' ?(' ?0' 1))1*') ')D* &.)1' (12' '& 0 (.)1' (** * ' ? ,' 1' ?0' .& 0') ' 0-0 * ') ' ?(' D@' ?0' (.K&(1 (1.0' ?0' ?(*' C ?' *& '?& ' (12' , 0 .& @' ?0' C(*' 02' 1)' ? *' &*0 & ' 2 *.)-0 @' ?(' C?(' , 02 . 10*' (12' 0/ , 01' (0' (*.0 (1')' E ' ?0' (0 ' 012') ' *) , 0' 0-0 *' (*' ?0@' .& 0' 1') ?0 * ' , (@' (*' ( )1(@' D0 0-0' ?(' ? *' .))E')C0*' ? *' *E ' 1')(* 1/' (12' D) 1/')' ? *' * &2@') ' ?0' 0 0 , 01 * ' (12' ?(' ? *' *'0.& ( )1*' (D)& ' 0' (12' N(0 ' ?(-0' (&/?' ? ,' ?(' ?0' *(, 0' *00 ? 1/' K&) ' ?(' D) *' ?0' 0//' ?(2' , (E0*' ?0' ?01' 0120

H' ! ?0' D0/ 11 1/' (12' , ')-0 , 01 ') ' &*0 & ' (*' (12' ?0' (** * (1.0*') ' ?& , (1' ? 0 ' ?(-0' (' *' &1/') ,' 12&* @' (12')D*0 -( )1 ' ! &0' E1)C 02/0' / 0C' *' 1' ?0' C) 2' D@' 07'0 01.0' (12' ( )1(')'0 ( )1*' (12' ?(2' ? *

@0 ')' ?0' .))E' (12' ?0' /))2' ?)&*0C 0') ' (' C?) 0*) , 0' (12' *(-)& @' , 0(' (12' C?)0-0 ' 20* 02')' ?(-0' (' /(201*' (12' & &' 0 2*' ?(2' ,) 0' 0(*)1')' .)1*& ' ?0' 07'0 01.0') ' ?0' 2& ' ')&/? , (1' (12' &1 0(2' /(2010 ' ?(1' ?0' '))&12' '?)*) '?0 ') ' (.& 0' 2 *'& (1 ' B0 ' 1) ' (1@')10' D0') 01202' ?(' ' (1E' ?0' .))E' (12' ?0' (, 0 ' C ?' ?0' *.?) (' (12' '?)*) '?0 ' ') ' *'0(E 1/' ?0 0') ' ?0' E1)C 02/0') ' 1(& (' D)2 0*' ?0' 012' (12' D010 ' C?0 0) ' .(1' D0' 1)') ?0 ' ?(1' ?0' (2-(1 (/0*' (12' .)1-01 01.0*') ' ?& , (1' 0 ' (' *'0.& ( )1*' 1' ? *' *&D%0. ' ?)C0-0 ' .&)&*') ' 0 102 ') ' *00 , 1/' '))&12' (12' *) 2' ' ?0@' 0(.?' 1) ' ?0 '))C0 *')' 2)' *) , 0 ? 1/' 0 ?0 ' D0 0 ') ' 1' (' *?) 0 ' (12' 0(* 0 ' C(@' ?(1') ?0 C *0' ?0@' .)& 2 ') ' 0 *0' 012' ?0 , ')' ?0' 2 *.)-0 @') ' *) , 0' 10C' (12' &*0 &' 1-01)1 ' 20*0 -0' 1) ' ?0' 1(, 0') ' E1)C 02/0 ') ' *)' , &.?' (*' ?0' C(* 0' , 0') ')& ' 2 0' ?)& *')' D0' ?)C1' (C(@' &')1' *&.?' 0 , ' @' 2 0' '?)*) '?@' !?0@' ?(' (0' * &2)&* @' D&*@' 1' ?0' .& -(1/' (12' (2) 1 1/' *&.?' 2 @' D(01' 1))1*' (0' - /))&* @' 0 , ')@02')' 0' '& ')*0 ' (12' , /? ' C ?' (*' , &.?' 0(*)1' ?(-0' 0 , , 02 ' 1)C' ?0@' (0' , 01 ' ?0' D(D 0*' ?0@' , (20' C?01' ?0@' C0 0' .? 2 01 ' (*' 07J .?(1/02' ?0 , ') ' ?)*0' 0 , ' @' , ' (. .(D 0' 1))1*' ?(' (0' D& ' ?0' '&' '0 *') ' , 01%' (1. 0*' (12' , (/ 1( )1* ' C? .?' ?)C0-0 ' 2 0**02' &' ' (0 ' (0 ') @' @0(*% 2(12 1/ ' D& ' '&' '0 *' * ' -) 2') ' * 01/ ?' &*0 ') ' (. - @

H I& ' 1) ')' 07' ((0' 1)' ?0' (/0' 0 2') ' 1(& (' '?)*) '?@' C?0 0' '0 ?('*' ?0')&12( )1') ' ?0' , *.? 0 ' C(*' *' (2' ' *?(' (..) 2 1/')' , @' 20* /1 ' .)1 10' , @*0 ' (' ' 0*01 ')' ?(' D (1.?') ' ' C? .?' , , 02 (0 @' .)1.0 1*' ?0' ?0(?') ' , 01 ' ' (12 ' 1' '?@* . ' *?(' .)1* 20

H' ' !?0' ' 0*01 ' * (0') ' ?0' (.& @') ' , 02 . 10' (*' ' 1)C' * (12*' 1' 0 0 01.0')' 2 *0(*0*' (12' ?0 ' .& 0

H' ' !?0' *0-0 (' 20/ 00*' (12' * 0' *' C?0 0D@' ' / 0C')' ?(' ?0 /?' ' *' (' ' 0*01 ' (-02') ' C? .?' ' *&' ')*0' (0' ?0*0'))C 1/ $ ' 07' 0 01.0 ' $ ' , 0 ?)2 ')&1202' &')1' '?)*) '?@' (12' ?@') ?0* *' $< ' D) (1 0*' $ ' .?@ , * @' $# ' (1( ) , @' ' 1' (' C? .?' ' *?(' 0120(-)& ')' *?)C' ?)C' , &.?' 0(.?' ?(?' .)1 D& 02')' ?0' (2-(1. 1/' ?0' (') ' '?@* . ' (12' C?0 0 1' ?0@' .(, 0' *?) ') ' '0 0. 1/'

H' ' N?(' @0 ' , (@' D0' & ?0 ' 2)10')C(2*' ?0' ,) 0' *' 002@' (12' .0 (1' .& 0') ' 2 *0(*0*' ' D@' C?(' , 0(1*' (12' , 0 ?)2' ?0' ' (. .0') ' '?@* . ' , (@' D0' D)&/?' 10(0 ') ' '0 0.)1

H' ' P *0(*0*' (*' ?0@' 0' &120 ' 3?0 0/ , 01 ') ' '?@* . ' (12' 0.0 -0' ,) 0') ' 0**' .?0.E') , ' ?0' (' ' .( )1*' (12' , 0 ?)2*') ' ?(' (' (*' ' 1)C' * (12*' , (@' @' D0' 2 - 202' 1)')& ' *) *' G

H' ' &.?' (*' (0' (,)*' '0 0. @' &120 ' ?0' .)1) ') ' , 02 . 10' (12' 2)') ' ?0' ,)*' ' (' .)1* (1 @' @ 0 2')' ?0' *E & ' '?@* . (1%' ?(12' /& 202' D@

?0' 0* (D *?02' & 0*') ' ? *' (' (12' C?0 0 1' ?0' .(1' (' * ' * /? ' (*' (' (*' *' ' C ?' *&D , **)1')')- 201.0' (12' ?0' / 0(' P * ')*0 ') ' , 01%' -0*' &120 (E0' ?0' .& 0' C ?' (**& (1.0') ' (' ?(' ' @' 0 - 01 ') ' ' *' 1) ')' D0' ?) ' 02' ?(' ?0' , 0(10*' 2 *0(*0' *?)& 2' (C(@*')D0@' ?0' *E ') ' ?0' (D 0*' ' ?@* . (1' ' 1) ' C)& 2' *&.?' (' - (1 @' D0') 0 (D 0' 1' C0(E' /1) (1' , 01')' ' 0 012')' D0' ?0' 2 * ')*0 *') ' ?0(?' (12' 0' ?(' (0' ?0' 00' / *') ' , /? @' :)2' C? .?' ?)&/?' ? *' ?(12' &1.)1) (D @' (E0*' (C(@') ' D0*)C*' C?0 0' ?0' ' 0(*0*' @0 ' ?0' ,)*' .) , ,)1 @' 2)0*' ' D@' ?0' 1 0 -01)1') ' ' *0.)12(@' , 0(1*' (12' ?0 0) 0' ' 2)&D ' 1) ' D& ' (' ' ?@* . (1' 1' *) , 0' .(*0*' , (@' C ?' (*' 0' ' 0*& , ')1' (**& 0' (' * .E' , (1') ' 0.)-0 @' (*' (' ,) ?0 ' &120 (E0')' .& 0' ?0' ?&1/0 ') ' ?0 ' .? 2 ' C? .?' *' (' 2 *0(*0'))' ' D& ' @0 ' ? *' ?0' 2) ?' 1) ' D@' (1@' ')C0 ') ' (& ?) @') ' ? *')C1')-0 ' ?0' 1(& 0') ' ? 1/*' D& ' D@' (' /? ' (' ' .( )1') ' ?)*0' 0 , 02 0*' C? .?' C0 0') 2(102') ' ?0' ')2&. 1/' *&.?' 0 0. *' , 02 . 10*' /? @') 20 02 ' D0 1/' (*' .0 (1')' 0.)-0 ' *) , 0' 1 , ' D)2 0*' (*' (DD *' (12' .? .E01' C0 ' 2 0**02 ')' 1)& *?') ?0 *' ?(' (0' ?0(?@' ?)&/?' '0 ?('*' *) , 0' .)1* &)1*' , (@' D0')&12' C ?' C?) , ' ?(' E 12' 0-01') ' C?) 0*) , 0' 2 0 ' C ' 1) ' (' (' (/ 00' I & ' @0 ' C?)0-0 ' ?(*' D)&/?' ?0' .& 0') ' (1@' 2 *0(*0' 10(' *&.?' (' .0 (1 @' (*' *' ?0' 1)& *?, 01 ') ' (' ?0(?@' , (1' D@' (1@')10' E 12') ' C?) 0*) , 0' , 0(' , (@' D0' ( )C02')' D0' .)1 201 ' 1' ?' *' &120 (E 1/' ?(' *' 0. 0*') ' 2 * 0 , '0 ' (12' 1' ?(' ' (')' ?(-0' '0 0. 02' ?0' (') ' ' ?@* . ' ?)&/?' '0 ?('*' 1' *) , 0' * &DD) 1' (12' 0/& (' .(*0*' ? *' C0 .)1* & 02' , 0 ?)2' *?)& 2' (' ? , ' (12' ?0' 2 *0(*0' &* (0' ?0' C?) 0' *&..0**') ' ? *' 0120(-)& * ' 12')' *&.?' (' 20/ 00') ' '0 0.)1' (*' ? *' ' ? 1E' ' , (@' .)1 201 @' (,' ?0' (') ' ' ?@* .' *' (-02' 1' , (1@' 2 *0(*0*' C? .?' *0 2) , ' * (12')&' (/(1*' ?0' *E &' (0 , ' *') ' /))2' ' (.J)10 *' Q) ' 0' ?0' , (.0') ' ' 0%&2 .02' '0 *)1*' *&//0*' ?0 0' ?(' ?0*0' .)1 201 ' ') , *0*') ' ?0(?' (0' 1) ')' D0' 0 02')1 ' D& ')1 @' 1' *&.?' 2 *0(*0*' C? .?') ' ?0 , *0 -0*' 0(-0' &*' C?0 0 1' 1(& 0' .) , ,)1 @' C) E*' ?0' .& 0' C ?)&' ?0' (** * (1.0') ' (' (12' ' , (@' D0' C ?' 0(*)1' *&*' '0. 02' ?0' ' (01 ')C302' ? *' 0.)-0 @' ,) 0')' ?0' - /)& ') ' ? *')C1' .)1* &)1' ?(1' ?0' (') ?0.(@4*' 2 &/*') , 0' 2 *0(*0*' E0' *) , 0' C002*' ' ' ' 3

)$+$' /'' ()$' &/. .1$' # '' *$ '($ ' ,$ ' , -$ *' (+$"(/*$' 4 $' E+($' 7 $ ./," ' 3+$"-*' ##' " ' . ' "*' /(' "1* ' 3+$"-*' ## /'' ()$' &/. .1$' # '' 2"6$ ' /(' *$$&*' +$"* ' "31$ ' (' /' #$+' ()"(')$' %+ ($' ' ' & +$ ' (' %"*' . 3(1$*' 3$6 ' ' 1/18$' '$"+19' 8+9()/' 6' $1*$' ()"(')$' %+ ($' &"/' 19' "*' " '' $;$+,/*$' # +

.$" .'H /,$*' "1' %)/,)' "#($+' ()$' & *(' ./1/6$'(' *$"+,)' %/1'
3$' ' ' & +$' "31$'(' ./+$,(' " 2)9*/,/"'') %' (' , +$' " ./*<
$"*$' ()"'') %' (' &"-$' " &"'' :# +'(' +$&$.9' ()$' .$#$,(*
" 2"+(' %) *$' +6"'/,"1' , '*(//((/ ' ' "' .' ()"(' ($;(+$'
%)$+$39' /(' 2$+"($*')$' ,"'' (' 2 **/319' -' %' /*' "1/-$'
)"+.' "*' (' &"-$' " 2"+(')$' -' %*' ' (') %' /*' &".$ T'
,-$' * 22 +($.' ()/*' $;(+$&$' 8/$%' "(' * &$' 1$'6()' 39'
8"+/ *' "+6 &$'(*' "'.' /'*("' ,$*:' ()$' 6/*(' # ()$' %) 1$'
(+$"(/*$' "*#"+' "*%$')"8$' /('3$/'6'(' 2+ 8$' ()"(' "'"(&9'
,"'' '8+'*) %' ()$' ," *$' # "'9' ./*$"*$' +' ()$' &$"'*' #
/(*' , +$' :()"(' /(' ,"'' '19'*) %' /'' " 8$+9' + 6)' "'.' /'<
* ##/,/$'(' %"9' ()$' ",("1' 2)9*/,"1' *("($' # ()$J 3 .9'
%)$()$+' /'')$"1()' +'/'' ./*$"*$' "(' ()$' (/&$' #)"'.1/'6:
"'.' ()"(' ()$+$# +$' "(' 3$*(' /(' & *(' 3$' " 8$+9' '*"(/*#",(+9'
(1' /'' ()$')"'.* # ()$' 2)9*/,/"' K
)$' "+6 &$'(*' /'' ()/*' (+$"(/*$' /#$;"&/'$.' '$' 39' '$'
,"'' (' $"*/19' 3$' +$# ($.:' 3 (' #$%' "'.' 1$"*(' # "1' "'9'
./*,/21$*' # ,-$' %/11' .$'9' ()"(')/*' 8/$%' %)/,)' 9.$'<
)"&' "22$"+*' (')"8$' *)"+$.' %/()')/&' %"*' 8$+9' '"++ %'
"'.' 3/6 ($.' E'"(&9') %$8$+' /(' *) 1.' 3$' +$&$&<
3$+$.' %"*' *(/11' "1& *(' /'' /(*' /'#"' ,9' %)$'' , -$' %+ ($:
"'.' () 6)' /(' %"*H *(' ()$''&"-/'6' " 6+$"(' *("+(' .$*(/'$.'
(' 1$".' (' $;,$11$'(' +$* 1(*' ()$' *("+(' , '*/*($.' *' & ,)'
/'' ()$' + 6)' "'.' '((+$.' $;$+,/*$' %)/,)' # '.' #"8 +'
%/()' ()$' 9"1' ,/$(9' ()"(' ,-$')".' * &$' $;, *$' # +'
3$/'6' 2+$H ./,$.' ' (' '19' "6"/'*(' ()$&' 3 (' "6"/'*(' ()$'
6 .' % +-' ()$9' %$+$' /'($'.$.' (' . ' D$+)"2*' /(' %"*'
()$' , '*,/ *'$**' ()"(')$' %"*' 8$+*("(/'6')/*' ,"*$' %)/,)'
," *$.')/&' (' 1"9' "*/.$')/*' #+"6&$'(' '' "'"(&9
E' ()$+' #+"6&$'(' '."($.' 3 (' %+/(($'' ,$+("/'19' %)/1$'
)$' %"*' "(' ;$($+' *$' "'.' 2+ 3"319' 3$# +$' ! ' /*'
$'(/(1$.' 4 **/*' "'.' , '("/'*' ()$' #/+*(' 2 +(/ '' # %)"(

* - ' = ' '2 3 # ' J

%"* $8/.$'(19 /'($'.$.' (' 3$ "'' $1"3 +"($ 2"2$+ '' , 63* K E* ,-$ 3$6"'' "3 (()/* (/&$ (')"8$ '" , 6)' ()"(*$+/ *19 (+ 31$.')/&' ()+ 6)' ()$ +$&"/'.$+ #)/* 1/#$')$ &"9 ()$+$39)"8$ 3$$'' /'. ,$.' (' &"-$ ()/* *2$,/"1 *(.9 # ()$ &"1".9 /''/(* *8+"1 # +&*' E* ()$ $**"9 , '("/'* ' ' 2$+* '"1 /'# +&"(/ '' "'.' /* "1(< 6$()$+' ($,) '/,"1 /''/(* *(91$' /('$$.' ' ( )$+$ 3$.$*,+/3$. ' (/*') %8+' % +()' +$, +./'6' ()"(/'' ()$ &"+6/' ' '$"+' ()$ $'.' # ()$ #+"6&$'(' ()/* ' ($,, +*/'' 9.$')"& *)"'.%+/(/'6' R $+$ ()$, +$* . '$ 39 +/./'6 "+$ (' 3$ 3+ 6)(/' ' /'' +$#$+$',$ (' , +$ # , '* &2(/ '* "'.' & +3/ 3*, +/ T

(/* $8/.$'(()"(. +/'6 ()$*$J 9$"+* ()$+$ %"* " 8$+9 ,1 *$/'(/&",9 3$(%$$'' ,-$ "'.' 9.$')"&' ('19 ./.' ,-$ ",, &2"'9 9.$')"&'/'')/* 8/*/(* (' 2"(/$'(* %) *$,"*$* +$5 /+$.' & *(,"+$# 1 %"(,)/'6' 3 ()' # +' ()$ 2"(/$'(*' %'' *"-$* "'.' "1* ' # +' ()$ *$# 1 1$** '* (' 3$ 6"/'$.' ()$',$ /'' ()$ /'($+$*(* # &$./,"1 *,/$',$: 3 (9.$')"&' "**/*($.' ,-$ /'')/* &$./,"1 2+",(/,$/''()$ E*)1$9) *$) 1.' C ('19 ./.' 9.$')"&' , ++$,("'.' "'' ("($,-$ * &"' *,+/2(* '' &$./,"1 * 3H$,(*: 3 (,-$/''+$(+'' (-' " 8$+9 1/8$19 /'($+$*("'.' "22"+$'(19 "'' ",(/8$ 2"+(/'' 9.$')"& * %+/('6* K

9.$')"& * #/+*((+$"(/*$ %"* 2 31/*)$./'' !BBB' 3$# +$ ()$/+' #+/$'.*)/2' /# ' (()$/+' ",5 "/'("',$' 3$6"'')$

* J ' = ' ' 2 3 # '
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5 ' 2 3 5 5 ' 0 ' ' # ' ' ! ' ' *A 3 # ' # '
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% ' / 0D 34 # 1 ' # ' ! ' M # 0 DJ3 # ' 5 0 ! ' 0 ' G '
K #! ' # * 6 3 1 ! ' ! ' 3 : # ' / #! # 34 1 ! ! ' ; 2 '
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D$+) "2* ( ) *$, &21/&$' ("+9 8$+*$* %$+$ "11 +' '$"+19 "11 ( ) "(, -$, '(+/3 ($.' (' ( )$ *$, ' .' $./(/ '' # ( )$ 4 7$( ) . * +"' ./ $3+$*:' 3 ( )$)12.' +' .$*/6'$.' (')$12 9.$') "&' /'' ( )$+' %"9*' E#($+' ( )$ 4 7$( ) . *' ')".' 3$$'' %+/(($'' /(% 1.' *$$&' ( ) "(9.$') "&' 2"/.' * ' & ,)' # +( )$+' "(($' (/ '' (' *&"11C2 ;' ( ) "( )$, '($&21"($.' %+/(/'6 '' 3 -' *2$,/"119 '' ( ) "(./*$"*$' "' .' # +' ( )/* 3 -' , -$ 2+$2"+$.' 2"+(# '' 2+$#",$" ' .' '' .$./,"(/ '' /'' !B)$.$./,"(/ '' %"* ". .+$**$.' (' +.' E*)1$9 "' .' 3$*/.$* "## +./'6 ( )$+' /'($+$*(/'6 /'# +&"(/ ' ' *) %* ( ) "(, -$ %"* "/.$.' 39 9.$') "&' /'' "(($' ." ' ,$ '' "("' 9 +"($ ( )$ *&"11C2 ;' ,"*$* %)/,)' , , ++$.' /'' +.' E*)1$9 * #"&/19 R F $+$ ' ' (39 1 '6 $;2$+/$' ,$ T , -$ %+ ($ /'')/* #+/$' . * '"&$' R , '#/+&$.' /'' ( )$

) *$ %$+$ ()$ &"/ 2 /'(* /' 9.$')"& * ($",)/'6 "'.& $() .# +%)/,)')$)".'"'.#$1( )/&*$1#) ' +$./')"8/'6'()$ "22+ 8"1 #0)' ,-$

'6 "#($+ ()$ 2$+/ .' ()"(%$ "+$ ' %' , '*/.$+/'6 ,-$, '(/' $.' (1 -' 2 ' &$./,/'$ "*)/* 2+ 2$+ 8 ,"(/ ''"'.' ()$+$ *$$&* (')"8$ 3$$'' ''"3"($&$'(# ()$/'($+$*(("-$'39)/&'/' &$./,"1*(./$* "'.'2 +* /(*' ( )$ "1* ' (-' 6+$"(/'($+$*(/' ()$+ &"((($+*' "'.' 2"+(19 39 '$,$**/(9'2"+(19 39 ,) /,$' ()$*$ ()$+ &"((($+* ./8$+($.')/* "(($'(/ '' ".')$ * ' ,) *$'')$ &/6)(# , +*$')"8$ +$&"/'$.' 5 /$(19 "(;# +.' '(/1'%/() ("*-/'6 "'9#"8 +* #+ &' ()$ '/8$+*/(9 " () +/(/$*')$)".' 5 "1/#/$.')/&*$1# # +' . ,(+ * .$6+$$' "'.'()$'')$, 1.')"8$ *$((1$.' . %'' "*)/* #+/$'.' 9.$')"&')".' . '$' "* +$6 1"+ % +-/'6 2)9*/,/"'' /'' '. '' +$1*$%)$+$' +< ('"($19 # +')/* %'' "'.'1"($+6$'$+"(/ '*') %8+ , &< &$'."31$ * ,)' , +*$ &/6)( )"8$ 3$$'')$ ./.' ' (2 +* $/(' $ "11 %$.')/&*$1# ('.+/#(/'(' ()$+ ,, < 2"(/ '* "'.'/'' $",)')$ ./.' * ' & ,)' ()"(2 *($+/(9)"* "1& *(# +6 (($''()"( )$ %"* 8+ "* &$./,"1 &"'' "("11) * /(,, +* ()"("(()$ 8$+9 (/&$ %)$'')$ %"* .$< 8 (/'6 " ' ()$ 1$/* +$)$, 1.' *2"+$ #+ &' +.'E*)1$9 * *$+8/,$ (' &$./,"1*(./$*' &$./,"1 2+",(/,$ "'.' &$./,"1 " () +*)/2')$ %"* "1* ' 3 */19 ,, 2/$.' %/()' "1(6$()$+ ./##$+$'(% +-' "'.' % +-' %)/,)' /'' !B ' "'.' "#($+%"+.* "3* +3$.'* ' & ,)' #)/* "(($'(/ '' ()"( )$ %"* , &2$11$.' "1& *((' "3"'. '' ()$ 2 +* /(# &$./,/'$')/* ,)"'6$

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9A> : ' =' ' ! ' ' ?
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,-$ *' &/*,$11"'$ *' ,, 2"(/ '*' "'.' 2 +* /(*' "'.' ()$' & +$' 2$+* '"1' /',/.$'(*' "'.', ''$,(/ '*' #')/*' 1/#$' 3$(%$$'' !BB ' "'.' !B ' '19' *(+"9' "'.' #+"6&$'("+9' /'< # +&"(/ '')"*', &$' . %'' ('*

'' ()$' !G()' # 8$&3$+' !BB ')$'%"*' 2+ 2 *$.' "'.' '' ()$' +.')$'%"*' 1,($.' '" #$11 %' #()$' P 9"1' ,/$(9')/*' 2+ 2 *$+' 3$/'6' /+' D" 1' $/1' "' #+/$'.' # 91$ *' "'.' "1* ' "22"+$'(19' # +.' E*)1$9 *' "'.' '$' #()$' & *(' $'$+6$(/,' &$&3$+*' #()$' * ,/$(9' #+ &' ()$' (/&$' #/(*' /', +2 +"(/ '' /'' !BB@K' /*' "** ,/"(/ '' %/()' ()/*' 3 .9

* - ' = ' ' 3' # ' * 1' / ' + ' $ # ' 3'
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-' M !3' : > ' ' ! ' ? ' / 4 * A 3' 2 ' 3' 5 ' 8 8

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3+ 6)( )/&' * &$ '$%'#+/$'.*: 3 ( )$ "22$"+* (')"8$
("-$''8$+9'1/((1$ 2"+(/''/(* .$1/3$+"(/ '*'"1() 6)'*8+"1'
$## +(* %$+$ &".$'39'/'8$*(/'6')/&'%/()' ##/,$* #(+ *(
, ''$,($.'%/()' /(' (' *$, +$)/* ",(/8$ "'.' 2+ &/'$'(
* 22 +(' '()$!!()' # $3+ "+9'!BB CG'# +'/'*("',$'
3"+$19'($''%$$-* "#($+')/* 1,(/ '')$ %"* ,) *$'' '$ #
"* *2$,/"1', &&/(($$ #$1$8$' "22 /'($.'R# +, '*/.$+/'6'
"'.' ./+$,(/'6' $;2$+/&$'(*:TK 3 (()$+$ /* ' ()/'6' ('
) %' Z()"( )$ 8+' $'6"6$.'/'' ()/ 3 */'$**' '' ()$
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%"*)$1.'Z " ()$ B()' #0 19'# 11 %/'6K"'.' "#($+' ()"(
%$#/'.'' &$'(/ '' #)/&'/''()$ +$, +.* #()$ * ,/$(9'
+' & +$ ()"''(% '9$"+*
)$ 9"1' ,/$(9'$8$'') +'' /(* 8$+9' 3$6/''/'6' ./.'
% +-'(' *$# 1'/''/(*$1#'"'.'(' * 66$*(/8$ #3$(($+'% +-'
(' 3$. '$ 39' ()$+*'('.$*$+8$ " ' ()$ 3"'($+'()"(%"*
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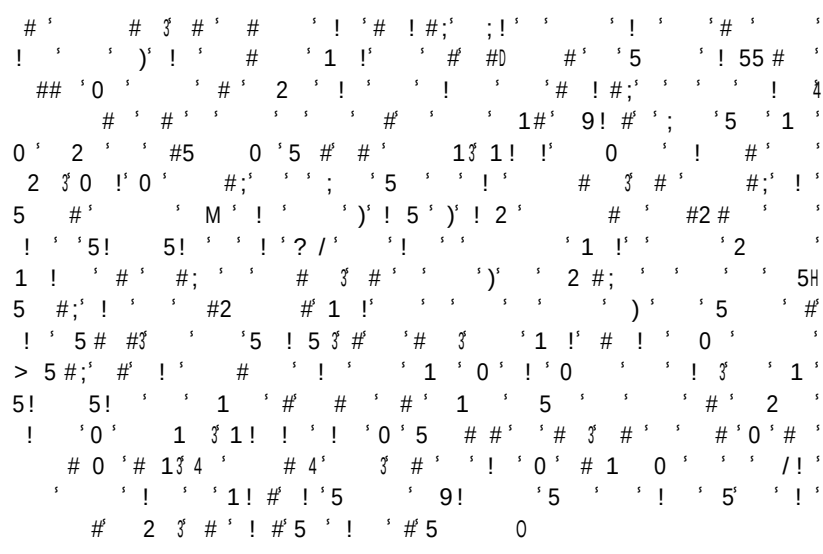
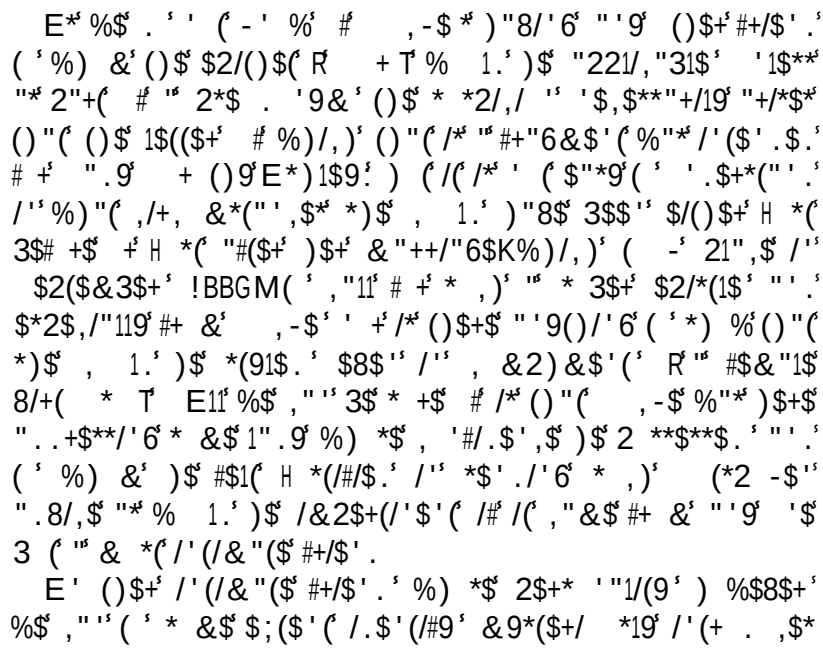
%"* * &$H *(/#/,"(/ '' # +' (1$+ * +/./, 1$ #()$ $'() <
/"(/,'#+/8)(9'"'.' '*,/$'(/#/,',+$.)(9'%/()'%)/,)'* &$
#/(* #$11 %* "(($&2($.'"11:"(',$(' * 18$ 8+9' &9*($+9'
/''()$ '/8$+*$C"'.'" 6 .' &"'9' &9*($+/$* #()$/+' %''
&"-/'6

T' ! ' 4'! ' ' ' # #' '
! #' ! ' !' ' #' 5'!
M ' #' ! ' 'N:1# ; #3
' ' !4 5'! '0 #' #'2 #'L
&':1! 4'! ' #;' ;# ' 3
9!' ' #' # 4' 1#' ' 1'L

4 M !3 2 ' 3 5' 86A -' '2 ' 3 55' 6 A3 66A





B ! !

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F)"(8+ $1*$ ()/* , +/ * 1$(($+/' ./,"($*/(21"/'19 *) %* ()"(()$ %+/($+)"8/'6 %+/(($'( )/&# + + #/8$."9* 3$# +$ * ++9 ()"(*)$, 1.' (%+/($ "6"/'(% + ()+$$."9*1"($+ "'.' %2 +/'6# +()* & "'9$## */8$ 2"+"6+"2)*' %"* +$"119 "* *)$ */6'$.')$+*$1#' ,-$ * R#"/()# 1 "'.' & *("##$,(/ '"($ T (/* ,1$"+' (()"(()$ R 7+' / 'T %) &'*)$ ./*2 *$.' # * * &&"+/19 /'()$2 *(*,+/2(%"*)$+) *3"'.'()$ 8+$'.') &"* 1 &$+' "* %$)"8$1"($+1$(($+* /'()$ *"&$)"'.%+/(/'6 */6'$.' $/()$+' R 7' T +R 7' 1 &$+T "'.' "11 $'< . +*$.' 39 ,-$ "* +$,$/8$.'#+ &' &' 7+*' 1 &$+T '* &$ # ()$*$ 1$(($+*' & +$ 8$+' *)$ +$#$++$.' (' 7+*' +/66 "*)$+ */*($+.' "'.' %$ *)"11 2+$*$'(19 #/'.' ,-$ "11 ./'6(' 7+*' +/66/'($+&* #+ &'%)/,)'/(/* '$,$**"+9 (', ',1 .$ ()"(*)$ %"*)/* , */')$+$# +$ %$ &"9 +$6"+.'()/* & ,)'"("'9 +"($' "* ,$+("/'' ()"(' M (%) &' ,-$ &"9)"8$ "221/$.' "'.' %) ' &"9 ()$+$< # +$)"8$ ". 2($.'() *$ /'/(/"1* /'(+"'*2 */(/ '' # ()$ /'/(/"1* ' R .$"+3+ ()$+T %)/,)'*)$ *$$&* ( )"8$ 3$$'' # '.' # "2219/'6(')/&M%"* 7+*' 1 &$+')/* R". 2($.' */*($+T "'.')/* ",("1 , */' E* %$.' ' (8'' -' %()$)+/*(/"'' '"&$* $/()$+ # 7+*' 1 &$+ + 7+*' +/66' /(/* ' (2 **/31$ (3("/'' "'9 & +$ $;",(/'# +&"(/ '' "* (' ()$/+ +$1"(/ '*)/2 (')/&: 3 (()/*' 2$+)"2*'/* ' (# & ,)', '*$5 $',$

"+ & +$%'1, &$'/#/(%$+$2+ , +"31$'% 1.'3$* &$ /'# +&"(/ '' "* (' ()$ "'($,$.$'(* # ()/* # 11C6+ %'' /'(/&",9 3$(%$$'' ,-$ "'.' 7+*' 1 &$+' +.' /(

* - = 2 # 7 M'G' 3 6" #3
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+' %+/(/'6'/''()/*' %"9'R'% 1.' '()/'-'.'9 ') ('1/((1$'
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"'.'('/&"6/'$'()"('9 ')".' ' ('*(+$'6()'$' 6)'(' , 2$'
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+6$(()$'2$+* '' '"&'%+/(/'6'(')/*'*"&$'* 3$+'*".<
'$**'1 -*'*'/11'/''7+*' $"8/*'"'.')"*'. '$')$+'*'1/((1$'
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7+*' $"8/*'"'.')$+J .$2+$**/ '' R' +' 9.$')"&'.$<
*/+$*'('3$' 8$+9'-/'.19'+$&$&3$+$.'('9 T'/*"..$.'/''
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"' ()$+'%"*' ()$') *3"'.' #)/* , */''7+*' +/66'%) '
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() *'&"9')"8$'3$$''"'' 1.'",5 "/'("','$' # ,-$'*#"&/19'
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11$6$' ;# +.'%)$+$'/''!BB')$' 3("/'$.'"#$11 %*)/2'
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/(9')$')".'()$'+$2 ("(/ '' #3$/'6'R'"''$;,$11$'(,) 1"+'
+' +$$-' "(/''"'.'2)/1 * 2)9' "'.' "1*' "''" ".&/+"31$'
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E 2"**"6$ /'' ()/* 1$(($+ *$$&* (' /&219 ()"(' %)$'' /'# +&/'6 7+*' 1 &$+ #)$+ 3+ ()$+C/'C1"%* .$"()' ,-$)".' &".$ * &$, &21"/'("3 (()$ *) +('$**' + , 1.'$**' +'/'#+$5 $',9 #)$+ 1$(($+* (')/& ' RD+"9T *)$%+ ($' R# +3$"+'()/'-/'6% +*$ #&$()"'' .$*$+8$' */',$ 9 ',"'')"+.19 3$ H *(/# 9 . ' (()/'-' &9 #+/$'.*)/2 # +9 ' '"1($+"31$:' # +' "* ')"8$ # +&$+19 2+ #$**$.' ' ', './(/ ''*)"11$8$+ &"-$ &$1 *$ '$6+"/'' # ()$ $*($$&' "'.' -/'.'$** %)/,)' 9 ')"8$ * ' %$11 .$*$+8$.'#+ &' &$' 7$()/'-* *"9 & +$ ()"''/* '$,$*< *"+9 2 ''()/**, +$':# +' % 1.'#"/''1/8$ * '%/()'9 &9 .$"+ 3+ ()$+' "* '8+ (' * *2$,('$" "' ()$+' "'.'/# ' -' %&9 %'')$"+(' "&' '8+ 3$(($+ 21$"*$.'()"''%)$'' ',"'"** +$ &9*$1# ()"(7+' ,-$ /* ' ('19 &9 3$*(3+ ()$+' 3 (&9* +$ #+/$'.' $1/$8$ ()/* (+ ()' "'.' 9 %/11 '8+ &/*("-$ &9 */1$',$ # +' " %/1# 1 '61,(' ' +')"+3 +' "'9 2/'/ '' # &$ ()"(% 1.' ' (3$, &$ " #+/$'.' # ()$ #/+*(+"'-T

R 79 1".9)"* ' (3$$'' %$11 */',$ *)$,"&$ /'('()$, '(+9T 7+*' 1 &$+' "..$.'/'' ()$ *"&$ 1$((+' R #*)$. $* ' (&$'.' " #$%' %$$-* &"9 3+/'6 * /'(' 9 +' '$/6)3 +) .' "6"/'' "'./# ()"(. $* ' (2+ 8$ $##$,("1' '. 3(()$+$ %/11 3$ " '$,$**/(9 # +' +6 /'6 "6"/''/'(' D+"',$' %)/,)' ',"'' (()/'-' # %/()' "'9 21$"* +$' '' ()$ &$"'(/&$ 2+$2"+$ 9 +*$1# "6"/'*('$;(*2+/'6' "'.' +$&$&3$+' 9 "+$ ('6 '%/()' * T $',$ /(/* ,1$"+'()"(,-$)".' "++"'6$.'('6 '('D+"',$ %/()' ".9 +() &< 3$+1"'.'/'' !B !' $' %*("+(1$.' 7+*' 1 &$+'/(% 1.' "22$"+' 39*"H '6)$ %"* * ' / '()"( )$ & *(6 '()/()$+'

N - '= ' '2 3# 'I7' 'M' ' 3**'/ 5 3*A

B?

ED ' I

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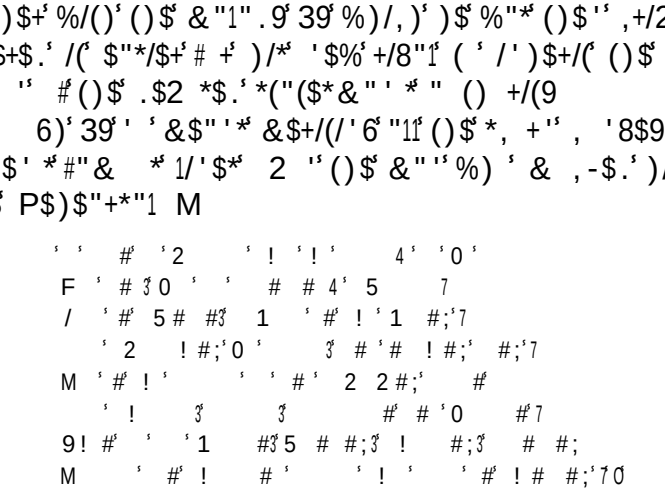
)"#($*3 +9' "'* +.' E*)1$9')".')$1.' ()$' 2 *(' #' ,)"',$11 +' #()$' $;,)$5 $+' 8+' */',$' 7"9' !BB!' 3 (')/*' /'#1 $',$'/'' ()$'6 8$+'&$'(')".'8"+/$.'6+$"(19'"(' ./##$+$'(' (/&$*' ,)' ,1 *$' ,)$*/ '' & ("1' .2'.$',$' "'.' H /'(' +$*2 '*/3/1/(9'"*' %'$;/*(*' "'" '6',"3/'$(' &/'/*($+*' %$+$' ()$'' '19' 3$6/' '/'6' 8$+9' #"/'(19' (' 6+ %' 2' "'.' E*)1$9' +$&"/'$.' /'' ##/,$' %)$'')$' %"'* "(' 8"+/"',$' "'* %$11' "'* %)$'')$' %"'* /'')"+& '9' %/()' 1"+$'. '')/* +$, 6'/*$.' ,)/$#' "'.'%/()' ()$+' &$&3$+'* #' ()$'6 8$+'< &$'(' 1"+$'. '' 3$/'6' "' (+9' "'.' E*)1$9' "' %)/6' ()$' 2 /'(* #' "6+$$&$'(' 3$(%$$'' ()$&' %$+$' #$H ' "'.'# +' ()$



2$"-$+‘ ‘ 5 $*(/ ‘ “+ *$ “ (‘ ()$ 1$6"1/(9 # ()$ 2+ <
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"'.' .$#$',1** /')"3/("'(* (' 3$ *1"8$* '' ()$ 1"+6$+'
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'(/1 !B G()"(()$ & *("((+",(/8$ /*1"'.' # ()$ 6+ 2'
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R ".8$'(+$+*' (' ")"&"* T' %) ' %$+$' (' 2"9' !B ' # +' ! ' ",+$*' #'1"'.'/'' $%' D+ 8/.$',$' "'."* & ,)'/'' "'9' ()$+' #'()$'/*1"'.*'()"(' ()$9',) *$' "'.'%$+$'('*("+(' "'.' ,"++9' '' "* /("31$' (+".$' 3$(%$$'' ()$*$' /*1"'.*' "'.' ()$' & ()$+', '(+9 K

,-$'%"*' '$' #'()$*$' ")"&"*' ".8$'(+$+*' "'.')/*' #+/$'.' 7 "21$(#(' "(' *("+(/'6'%"*' "' ()$+'$",)'* 3*,+/)/ 6' 1 ^' (%"+.*' ()$' ! ^' ()"(' 2+ 8/.$.' # +' ()$'2 +,)"*$(' & '$9' "'.' ()$+' ,)"+6$*' /',/.$'("1' ()$+$(') &"*' (+/'6$+' +.')"#($*3 +9*' *$,+$("+9' * 3*,+/3$.' @ Y:' ()$+$'%$+$'#/8$* 3*,+/3$+*' # Y' "2/$,$'"'.'()+$$' ()$+*' # ! Y' E(' ()$'#/+*(' &$$(/'6' # ()$'".8$'(+$+*') %< 8+')$1.' "(' ;$($+' *$' '' ()$' G()' # $2($&3$+' 7 "21$(#(' %"*' "11 %$.'(' "**/6'')/*'/'($+$*(' /''()$'*(,-'(' ,-$:' "'."(' ()$' '$;(' &$$(/'6' '' ()$' @+.' # ,(3$+' 7 "21$(#(' *')"+$'%"*'# +&"119' (+"'*#$++$.' (')/* #+/$'.K ()' ,-$' "'.' 7 "21$(#('/(' %/11')$' +$&$&3$+$.')".' 6 '$'(' +"',$'"3 (' ()$' &/..1$' # $2($&3$+' %/()' ()$' '($**' # +() &3$+1"'.' 7 "21$(#(' (' *("9' "%"9' # +' '' 9$"+' +'(% ' ,-$'('+$(+''/''"3 (' ()+$$'%$$-*' "'.' * '' (' 3$' $&21 9$.' 3 ()' "* *$,+$("+9' # 2+$*$'("(/ '* (' ()$'1 +.' ,)"',$11 +' "'.' "* *$,+$("+9' (' ()$' , ',/1' # (+".$' "'.' 21"'("(/ '*K (' % 1.' *$$&' ()"(' %)$'' 7 "21$(#(' (-')/* *)"+$'/''()$' ")"&"* 8$'(+$')$' ./.' ' (' $;2$,(' (' 3$' * '1 '6' "%"9' E** * '' "*)/* "++"'6$< &$'(* %/()' ".9' +() &3$+1"'.' %$+$' &".$' ,-$' +$1/8.')/&' #)/* , ''$,(/ '' %/()' '' 3 */'$** ()"(')$' , 1.' ' (' 1 -' "#($+' "'.'() *')"8/'6' . 31$.')/* *)"+$' /'' ()$' *2$, 1"(/ '' 3$,"&$' "1(6$()$+' +$*2 '*/31$' # +' '' '/'()' # /(')$' ,"11*' "#($+%"+.*' &".$' 2 '')/&' %$+$' . 3(1$**#"+'/''$;,$** #'()$' +/6/''"1' Y' $'%"*' 2+$*$'(

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+$2 +($. /(%"* 7"21$(#(%) /'(+ . ,$. /11 (* ' (, -$ 7"21$(#(&"9 "1*)"8$ 3+ 6)( )/& /'(",5 "/'("',$ %/() ()$+ ,$1$3+"($. "&3+/.6$ 1"(/((./'"+/"'* $*2$,/"119 /& D"(+/,- "'. *""", "++ % '()$,,"*/ ' # "++ %* .$"()/'! %$ *)"11#/'. ,-$ *2$"-/'6 #)/&"* '$ #)/* &8$+9 , '*/.$+"31$ #/$'.* T)$ #+/$'.*)/2 %"* "22"+$'(19 #1 '6*("'.< /'6 F)$()$+ ,-$ %"* "(()/* + 8' "("'9 (/&$ 1/$+* '"119",5 "/'($.%/() ()$ ' % 8$'$+"31$ 1$".$+ # ()$ "&3+/.6$ *,) 1/(* 1$".$+ /' /(* ()$ 1 6/,"1 "'. 2)/1 * 2)/,"1 +"()$+ ()"' /' /(* *,/$'(/#/, , ''$,(/ '* "12) .% +()/*' (+$, +.$.: 3 (()$ /'#1 $',$ # .% +()"'.)/* #//$'.*)".,$+("/'19+$",)$.)/&8' %)/1$)$%"* "' ;# +.*(.$'('"'.)$%"* ' % 6$((/'6 3$9 '.()$&

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8$'(/ '' #' $66/'6 ' %)/,)' .$*,+/3$.' "'.' ".8 ,"($.' "'
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'$' #() *$' %) '#+$5 $'($.'/(')$' #+/$'.*')$' &".$' "'.'
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/',+$./31$' ,+$$.*' "'.' .$3"*/'6' . 6&"*' ()"(' R()$' +/6)('
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) "#($*3 +9 * , '(+/3 (/ ' / ' , -$ * " ' ' /(9 %"* ' ((6+$"(" +$(+' # + ( ) $ *$+8/, $* () "( ) ". 3$$ ' +$' . $+$. ( ) /& ((, -$ * ("*($* 3$/' 6 */&21$ ' () /* " 6&$' ("< (/ ' #) /* / ', &$. 3(1$** * ##/, $. (-$$2) /& " * #" + "* & '$9 %"* , ', $+ '$. R #+$$ #+ &, "+$ T

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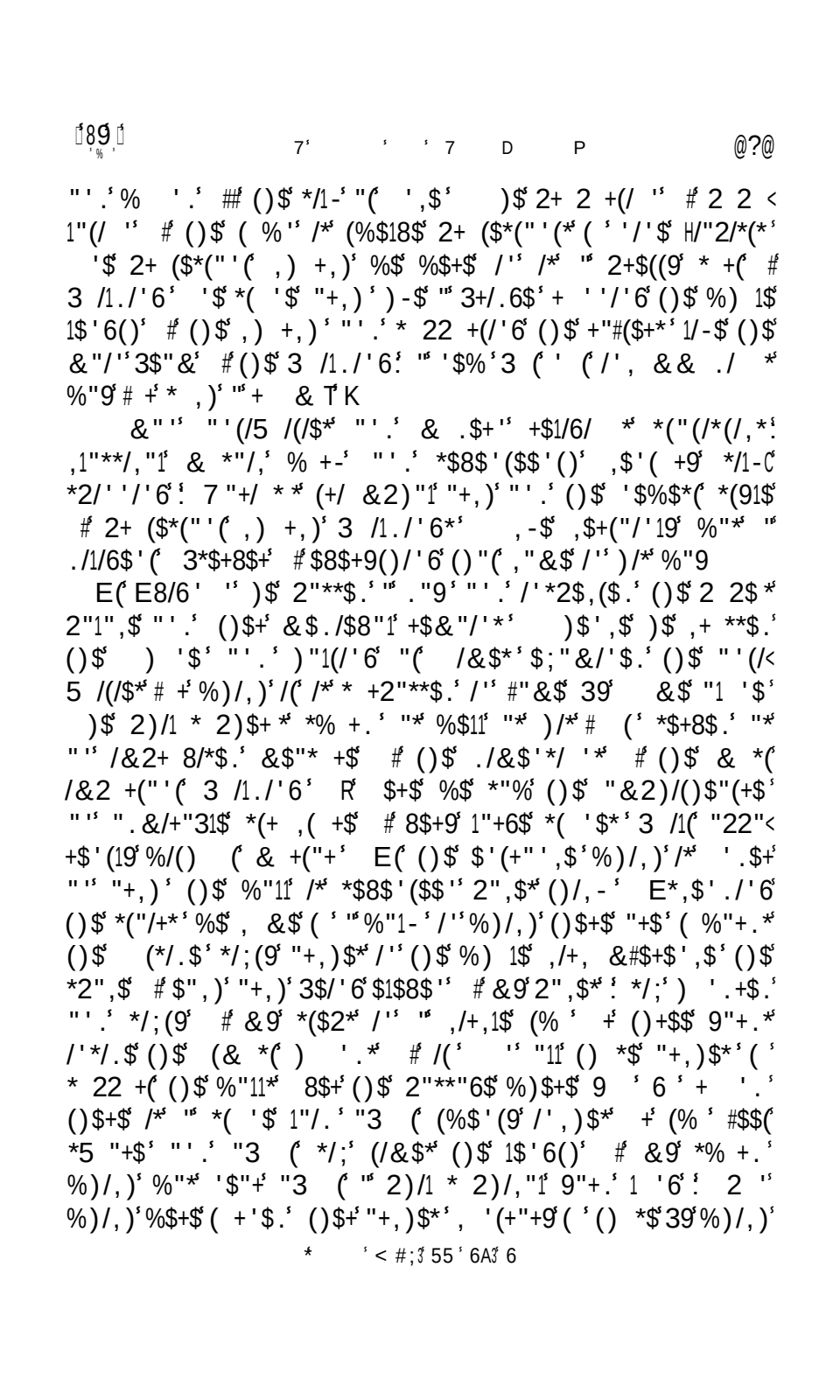

()$ 1/6)($)($+$. ' 7 *(#()$*$*('$*' ' 3*$+8$.'('3$,+",-$.'': %)/,)' ' * 22 *$'&/6)(3$'()$'$##$,(#()$'#/+$' %)/,)' $9+ '($11* *'()$')+/*(/"'*)$+$(# +$' "221/$.' %/()' .$*/6'('.$*(+ 9'()/* "&2)/()$"(+$' (% 1.') 1.' (%$'(9' () *"'.' 2$+* '*' "'.' %"* 3 /1(39' E'('/' * D/ *' # 6+$"(*5 "+$.'*('$*' "1& *("*)"+.' "* 6+$9' &"+31$') * *("'.*' "1& *($'(/+$' 9$(' ()/* % '.$+# 1' *(+ ,(+$'/'' *2/($ # ()$'# +,$ # #/#($$'') '.+$.' 9$"+* "'.' ()$' "(($&2(* # ()$' #/+*( )+/*(/"'*' %) ' 3 ()' 39' #/+$ "'.'%/()'(1*' $'.$"8 +$.'('+ /''/(TK

$",)/'6' 7 '(2$1)$+' '')+/*(&"*C."9' !B ' ,-$' +$*/.$.' ()$+$' (/11' 7"+,)' !B ' $;,$2(()"(3$# +$' 5 /($ *$((1/'6' . %'')$' %"* ,,"*/ '"119' "3*$'(# +' '" %$$-' +' (% ' "(" (/&$' +' 1 '6$+' '' 8/*/(* (' ()$' '$/6)3 +/'6' ./*(+/,(*

) * %$' #/'.')/&' "($(($' $;"&/'/'6' " 6+$"(& 1$' +' 3+$"-%"($+'()$''/'', '*(+ ,(/ ' ' '' ()$' ?()' # $3+ "+9' !B CB' "'.' "(E/6 $* 7 +($*' '' ()$' $"*($+'' */.$' # 7 '(2$11/$+' '' ()$' !?()' # 7"+,)' &')$' *$" T')$' *"/.' # ()/* 21",$' R# +&$+19' %"*)$.' ()$' %"11*' 3 (/* ' %' +$& 8$.' " 1$"6 $' #+ &'()$' (%'')$+$' +$&"/'* '19' ")((1$' > A8D' '"8/6"31$' # +' 8$+9')((1$' 3 "(*')$' (%'' *"/.' (')"8$' 3$$'' 3 /1(39' (' /*' /* 1"/.' (8$+9' +$6 1"+19:' '*("',$' (%$+' & +$' "',/$'(:' ()$' , '(+9' + '.' " 6+$"(21"/'# +' &"'9' 1$"6 $* "3 (' 8$+9' & ,)' , 8$+$.'%/()'%"($+' /6)' ()$' (%'' /* ()$' 7"+5 /* .$ "+.*)*$')' /* 6 8$+' +' #()$' (%'' "'.' , '(+9' "3 ( )"1# "1$"6 $"3 (' "*#"+"*()$'(%$+' "' "+3 '/$+' D"**/'6' 3$(%$$'' "' "+3 '/$+' "'.' ()$' (%'' %$ *"%' "3 '."',$' #2"+(+/.6$*')"+$*'"'.' ()$+'6"&$'2+$*$+8$.' ()$+$' 39' ()$' *(+/,(+.$+' "'.' *8+/(9' # ()$' 7"+5 /* .$ "+.' %)' ' (1 '6' */',$' ,1"22$.' " (%'*&"'' 2' /'' "

(1/$+' 6"11$9J*' +$. ')/*' 6"11$9' 1/"*' (%$'(9C'/'$' "+*' #' "' */.$' (% ') '.+$.' "'.' $/6)(9' *1"8$*' */;(9' *$"&$''
#/8$') '.+$.' * 1./$+*' : ()$' *1"8$*' /'' 6 .' 21/6)(' E(' ()$'
$'.' #'()$' 5 "9' "+$' (% ' . ,-*'(' 3 /1.' 6"11$9*')$'
. ,-*' "+$' , 8$+$.'(' % +-' (' #()$' +"/'' "'.' * '*)/'$'
8$+9' 6"11$9'/'' ()/*' "+*$'"1')"*' /(*' 2$, 1/"+' *(+$) *$' :
6+$"(' 3"-$) *$*' *(+$) *$*' # +' 3+$".' 3/*, /(' "'.'
&$"(:' " 6+$"(' 6"11$+9' '$') '.+$.' "'.' (%$'(9' #"() &*'
1 '6' (' &"-$" + 2$*' "'.' ,"31$*: "'' "+& +HK' %$11C'
+'/*)$.':' " 1"+6$') *2/("1' # +' */,-' *1"8$*: "11' 8$+9' #/('
"'.' &"6'/#/,$'(')$+$' 6 ' (' ()/*' 9$"+' (%$'(9C*/;'
6"11$`O*')$' 5 "9' /*')"'.* &$' "'.' # 11' # 2$ 21$'
%"1-/'6' $*2$,/"119' /'' ()$' 8'/'6' %)$'' ()$' 3$*(' , &<
2"'9' &$$(' P '.' "3 (' ()$' (%'' /*' " 8"11$9' $', &<
2"**$.' %/()')/6)')/11*' +'+"()$+'+ ,-*' "'.' " 8"*(' ' &3$+'
1/((1$' , '(/9') *$*' %)/,)' *("'.' %/()/'' " 3 %C*) ('
'$' # "' ()$+' * &$' *"9' '$"+' (%$'(9' () *"'.' /''
' &3$+')$9')"8$' 1/((1$' 21 (*' # 6+ '.' %"11$.' /''
"3 (' ()$&' #/11$.' %/()' 8/'$*' "'.' #+ /(' (+$$*' 1/8$' (+$$*'
"+(/,) -$*' "'.', +''/'' & *(' #()$& T'K
+ &' 7"+*$/11$*')$' %$'(' (' 1 '' ()+ 6)' 6"+.$'*'
# 11' # +"'6$' (+$$*' /'' # 11' 31 &' "'.' &9+(1$*' %)/,)'
,)"+&$.')/&' & +$'()"'' ()$' 3"*/'' ()$'#/'$*(/'' ()$' % +1.'
/'' %)/,)' ()$+$' + .$' ()$' ' ' "'.' ()$' F '
"'.' ()$+' 6+$"(' *)/2*' #()$' +$',)' '"8H;' +"'6$' 6+ 8$*'
"6"/'' .$1/6)($.')/&' "*')$' 2"**$.' '' ()$' *"&$' ."9' ()$'
@+.' # E2+/1' #+ &' 1 '' (' 9$+$*' R')$*$' 6"+.$'*'
+&'()$' & *(' .$1/6)(# 1' % .' ')".' 8+' *$$'')$+$'
"+$')((1$' +/8 1$(*' # %"($+' , '8$9$.' ()+ 6)' /(' ('%"($+'
()$' (+$$*' /'' * &&$+' %/() (' %)/,)' ()$+$' % 1.' 3$' 1/((1$'
#+ /(' $+$' %$')".' # +' * 22$+' "& '6*(' ()$+' ()/'6*'
" ./*)' # 6+$$'' 3$"'*' .+$**$.'%/()' 6+"89' ()$' 3$*(' ()/'6

/'' 3 ()' () *$' ,"2",/(/$*' 3 (' #)/*' &$./,"1' *(./$*' %)/1$' ()$+$' %$')"8$' ' (' & ,)' ",, '(' /*' H +'"1' '"(+"119' ($ *' & *(' #()$' 6$'$+"1' (2/,*'%)/,)' %$+$' & +$')-$19' ('/'($+$*(' ()$' #+/$'.*' # +'%) &'/(' %"*' %+/(($'

7 '(2$11/$+'%/()'"2 2 1"(/ '' #()/+(9'() *"'.M%)/,)' 2 2 1"(/ '')"*' '19' 3$$'' /',+$"*$.' 39' (% C()/+.*' /'' ()$' 1"*(' (% ' ,$'(+/$*' %)/1$' 7 "+*$/11$*')"*' (+31.'/(*' &3$+' #/')"3/("'(*' /'' ()$' 2"*(')"1#C,$'(+9M%"*' ()$' ,"2/("1' #()$' "',/$'(' 2+ 8/',$' # "'6 $. ,' "'.' ,-$"++/8$.' /''/(' "(' "' (/&$' 8$+9'#"8 +"31$' # +'$;"&/'/'6' /(*' 2 1/(/,"1' /'*(// (/''*

RE3 (' '/'$' /'' ()$' & +'/'6T')$' %+ ($' '' ()$' ()' # 0"' "+9' !B C ' R '%$'(' (' ()$' (%'') *$' %)$+$' ()$' *("($*' # "'6 $. ,M%)/,)' %$+$' ()$'' "**$&31$.'/'' ()$' (%'M *$.'('*/(' 8+9' ."9')$' + &' /*' '" #"/+' + &' "(' ()$' 22$+'$'.'/'' ()$' &/..1$'/*' '" *$"(')/6)$+' * &$< %)"(' ()"'' ()$' +$*('%)$+$' ()$' $'.$' I$+'$ /1' 6 8$+' +' #()$'2+ 8/',$'*/(*'%)$''')$', &$*'('()$' "**$&319'%)/,)' /*' 3 (' *$1. &' "'.' '19' 2 '' ,,"*/ '*' #2+ 2 */'6'* &$< ()/'6'('()$& ' E(' ()$+'(/&$*' "+./'"1' '=/'%) '/*' "+,)< 3/*) 2' #"+3 ''$'("-$*' ()"(' *$"(' %)/,)'/*' '.$+' ()$' ,"' H/9' '' ()$' +/6)(')"'.' */(' ()$' 3/*) 2*' (%$'(9C(% ' "'.' ()$' 3"+ '*' (%$'(9C#/8$':' ()$' .$2 (/$*' #()$' (%'' "3 (' # +(9C# +' E3 (' ($''()$9'3$6/'' ('.+ 2'/'('()$' + &'%)$+$' ()$' 3/*) 2*' 2 (' '' ()$/+')"3/(*' +/,)19'1",$.':' ()$' ,"+./'"1' /''*,"+1$(' F)$'')$' "++/8$*' "%"9' ()$9'6 ' ('&"*' "(' (+$' "&$' '",) +,)'H *(' 39':' "'.'* ' "3 (' $1$8$'' ()$9'+$(+'' "'.' 3$6/'' ('*/(' "'.' "+/*$' "6"/'' "(' (%$18$' *$1. &' */((/'6'/'' ()$' "#($+' '' 3 (' 2 '' $;(+"< +./'"+9' ,,"*/ '*')$9' "+$', '*("'(19' "**$&31$.'# +' & '()*' /'' ()$' 9$"+' 3$6/''/'6'/'' ,(3$+'"'.'$'./'6'/'' $3+ "+9T'K

R)$9)"8$ "11 ()$ * 1$& '/(9 "' . (%"+. "22$"+"' ,$
"2"+1/"&$'(T)$ %+ ($ '()$ G() # 0"' "+9 R)$
-/'6 2+ 2 *$*' "' . ()$9 .$3"($ "' . +$* 18$ $+$ /* "11
()$ ./##$+$',$' ()"(()$9 '8+ . " ' . * &$*"9 ."+$ ' (
+$# *$ %)"(8+ ()$ -/'6 .$&"' .*)$9 6"8$ ()$ -/'6
()/* 9$"+ 1/8+$* " ' . # + ()$/+ 1/3$+"1/(9 "+$
2+ &/*$. ' * 1./$+* *)"11 5 "+($+/'()/* , '(+9 : %)/,)
'8+()1** * &$(/&$*)"22$'* $*/.$* ()$! 6/8$'()$ -/'6 # + ()/* 9$"+'()$9 6"8$)/&' "1* # + ()$
,"'"1 @ 1/8+$*: "' . 3$*/.$* "11 ()/*'()$9 &"/'("/'
$1$8$'() *"' . &$'/' "("1 '/"'+"/*$. "' . 2"/. 39 ()/*
2+ 8/',$)$*$ (";$* "' . "11 2 3),',)"+6$* , &$* &$<
(/&$*($/6)('* &$(/&$*((%18 2$+,$'(# ()$ 9$"+19
8"1 $ #$*("($* TK

,-$. $* ' (*$$&'( )"8$ 3$$'". &/(($. ("'9 #
()$ &$$(/'6* #()/* & ,-2"+1/"&$'(MK1$** # " & ,-$+9
) %8+ ()"'()$ *("($* 6$'$+"1 3$,"&$. +/'6 ()$
,$'(+9 /'($+8$'/'6 3$(%$$'()/* (/&$ "'. ()$ +$',)
$8 1 (/ 'M3 ()$*"%/(* &$&3$+* "()$/+ ##/,/"1 .$8 <
(/ '*/' (+$ "&$ & F)/1$()$ 2+/$*()/* "()$ "1("+
*"9/'6()$ &"**9 ,"' ()$"+)/&'"% +.: /'.$$.'()$
& */,/* ()$ 21$"*"'($+ #()$ (%)$,"+./'"1 "'. ()$
3/*) 2* "+$ "11 '()$ +/6)() "'. # ()$,) /+ ()"(/*
("'./'6 "() ()$ "1("+ "'. 1 -/'6 ('()$ %$() $'. # ()$
,) +,): "'. "11()$1"9 3"+ '*('()$ 1$#() +* ()'*/.$)$
,"+./'"1 *"() '$"+$*()$ "1("+ "'.)". '8$18$() , *)/ '
+/,)19 1",$.: ()$ 3/*) 2*)". ' '$)$,"+./'"1
+2"($. 2"+(#()$ ##/,$ %/()' "' ', ',$+'$. 1 -'
("1-/'6 8+9 ' %' "'. ()$'' "'. 1" 6)/'6 8.()' ()$
3/*) 2* '$;()/& TK

R)$ 2+ 8/',$ # "'6 $. ,'/*() * 6 8$+'$. T ,-$
%+ ($ '()$!?()' # $3+ "+9 R)$ -$ # I$+'$ /1

%+ ($ '' ()$ (1/ # $,$&3$+' !B ' R)$ %"1-* %$+$ 3"9 (+$$* "' .' * &$ ()$+*' ,92+$** (+$$* # 6+$"( )$/6)(' "' .' * &$ 2/'$ (+$$*' E(()$ $'(+"',$ ()$+$ /* '" #"/+ 1"+6$ 2 ' .' %)$+$ /(/* *"/.' ()$ 1" ./$* 3"()$ /'' * &&$+' +'/(+$ # ()$ -/(,)$'*' * &$ 2$%($+' * &$ 3+"**' "' .' "3 ' ."',$ # 2/2-/'*' E1 ()$ % +1.' "(&"1 "' .' ()$ & '($3"'- * (+/,-* T '' ()$?()' # 0"' "+9)$ +$< #$++$.' (R ()$ % &$'' ,"++9/'6 $"+()' /'' 1/((1$ 3"*-$(* '' ()$/+')$".*' + ' '/'6 /'' ()$/+ *"3 (* "* ()$9 +$(+'$.' # + '$%' 3 +()$'*' %"6$* # + &$'' (%$18$ * *' # + % &$'' #/8$ * *' "(K)/* (/&$:/'* &&$+' "3 ( )"+8$*($/6)($$'' # + &$' "' .' *$8$'' # + % &$' T E & '()' 1"($+)$.$< *,+/3$.' '" ' 8$1(9 R 2"+"* 1*' '" 2+$((9 * +(# , 8$+ # + % &$'' +/./'6 /'' ()$ * ' ' &".$ # *(+"% * &$()/'6 1/-$ ()$ #"*)/ '' #(/'' , 8$+* # + ./*)$* TK

'')+ 8$C $*."9)$ *"% R ()$)$/6)("' .' , '* &< &"(/ '' #()$,"+'/8"1: ()$ (%'' #/11$.' %/()' &"*5 $+".$* # + ()$ 1"*(%$$-: ."' ,/'6 /'' ()$ *(+$$(* /'' "1 &"' '$+ #)"3/(* "' .' ./*6 /*$*' (' "1 * +(* # & */, ' 3+"** -$((1$* "' .'#+9/'6C2"'* ' (;,$2($. T R $+$ %"* /'' ()$ *(+$$(" 6+$"(3 *(1$ T)$)".' %+/(($'' "# +('/6)(3$# +$: R ()$," *$ ()/*' &$ ()"(%$+$ 1/*(/'6 * 1./$+* *1/.' & '$9 /'(' ", '(+9&"' * 2 ,-$(' "' .' ()$''% 1.' # +,$)/&' (6 ' %/()' ()$& ')"8/'6 "* ()$9 *"/.' +$,$/8$.' ()$ -/'6 * & '$9 $ +$# *$.' (' 6 ' "' .' ()$ % &$'' 39 ,+ %./'6 "' .' # +,$' +$.$$&$.')/&')$*$ "+(/#/,$* "+$ $&21 9$.' %)$+$ 2+$**/'6 /* ' ("11 %$.' (/* " * "1 (+/,-' /# "'9 '$.+/'-' ()$ -/'6 *)$"1()' (' 6/8$)/&' 2+$**C& '$9 "' .' # +,$)/&' (' 6 ' " * 1./$+' 2+$($'./'6 ()"(')"8/'6 .+ '-')/*)$"1()')$ /* 3 '.' (' #/6)(# +)/& T K

,-$ %"* ' (#"8 +"319 /&2+$**$.' 39 ()$ 6$'$+"1 3$)"8/ + # ()$ (%'*2$ 21$' + ()$ "++"'6$&$'(* # +

#)/* . ,(+*)/2' 2 (' '" +/'6' '')/* #/'6$+' 6/+(')/&' "3 (' ()$'1 /'*' %/()' '" 6 1.' ,)"/'' &".$')/&' */(' . %'' 39')/&' ()"(')"8/'6' ("-$'' 2"/'*')$' &/6)(' ' %' ("-$' $"*$' "'.' -/**$.' "'.' $&3+",$.')/&' /'' (-$'' ,# ()$' #+/$'.*)/2' ()"(' 6)(' (')$' "& '6*(' ()$& T' K

'')/*H +'"1' ,-$' &".$' ' &$+ *' $'(+/$*' "3 (' ()$' (+".$' # ()$' ./*(+/,(' "'.' $*2$,/"119' "3 (' 8/'$9"+.*' "'.' -/'.+$.' * 3H$,(*')$'/'5 /+/$*' (' #%)/,)' ()*$' ' ($*' +$* 1($.' %$+$' &".$' 2"+(19' # +')/*' %'' /'*(+ ,(/ '' 3 (' ,)/$#19'/(' % 1.' *$$&' "(' ()$' +$5 $*(' # +.')"#($*3 /9' %) *$' 6+$"(' 2"*(/&$' %"*' 6"+.$'/'6' "'.' %) ' $"6$+19' , 11$,($.' "11' ()$'/'# +&"(/ '' ()"(' %"*' 2 **/31$' (')/&' '' 8+9' &"((+' , ''$,($.' ()$+$%/()' ')"#($*3 +9' "'.' ()$+*')$' *$'(') &$' #+ &' (/&$' (' (/&$' ,) /,$' 21"'(*' "'.'*2$,/&$'*' "'.' "(')"#($*3 +9*'/'*(/6"(/ '')$' %+ ($' "' , &21$($' 1/((1$' (+$"(/*$' $'(/(1$.' 4 3*$+8"(/ '*' 2 '' ()$' + %()' "'.' 1(+$' # I/'$*' "'.' 1/8$*' ()$' D+ . ,(/ '' # /1-' "'.'()$' D+$*$+8"(/ '' # + /(*' K

)/* (+$"(/*$' # +'/*)$*' /'($+$*(/'6' /11 *(+"(/ '*' # ()$' () + 6)'$** %/()' %)/,)' , -$' "221/$.')/&*$1# (' 8+9' *(.9' ()"(')$' (-' /'')"'.' (' "1*' J# +'/*)$*' * &$' %$1, &$' $8/.$',$' # ()$' * ,/"1' "++"'6$&$'(*' # ()$' (/&$' R' $+$' "(' 7 '(2$11/$+ T' %$' +$".'/'' ()$' *$,(/ '' '' 8/'$*' R' "*'/'' ()$+' 2"+(*' # +"',$'/(' /*' ' '.*,+$./(' # +' "'9' &"'' (')"'6' (' "3 *)' "(')/*' . +' "'.'*$ ')/*' %/'$' 39' +$("/1' $/()$+' (' () *$'()"(' #$(,)'/(' (' # . +*' +' %/ ' , &$' "'.' .+/'-' /(' "(')/*') *$:' # +' %)/,)' ()$9' * "119' # +' ()"(' (/&$' *$(' "2"+(' "' + &' +' 5 "+($+' # ()$') *$' "'.')"8$' "' *$+8"'(' '' 2 +2 *$' (' "(($'.'/(')/*' ')"8$' -' %'' 3 ()' 6$'(1$&$'' "'.',) +,)&$'' . ' (' %) 8+

' B) 2' 1/' '' "

T' 'C(*' *' '&D *?02' 1' ;"" ' (12' *' 1. &202' 1' ?0' (0'02)1*')' B).E0%*' $N)E*%

I ' ' @

/'' "'6 $. ,' *$11*')/*' %'' %/'$' "(')/*') *$' & *(' ' (' "## +.')/*' , *(&$+*' * ' & ,)' "*' "')/(' #3+$".' +' "'9()/'6' $1*$' (' $"(' %/()' /(' # +' ()$'' /(' %/11' , &$' '.$+' ()$' ' (/ '' #' "' ,"3"+$(' +', && '' .+/'-/'6') *$' "'.' ()$/+' (";' +' $;,/*$' 8$+("-$' ()$& T

F)/1$' /'' +"',$' ,-$' $8/.$'(19' -$2(' 2' "' , '*/.$+< "31$' , ++$*2 '.$',$' %/()')/*' #+/$'.*' /'' '61"'.' 3 (' '19' "' #$%' #' ()$' 1$(($+*' %+/(($'' (' +' 39')/&' "22$"+' (')"8$' 3$$'' 2+$*$+8$.' &$' #+ &') &"*' (+/'6$+')"#($*< 3 +9 *' *$,+$("+9' /11 *(+"($')"#($*3 +9 *' 3/ 6+"2)9' & +$' # 119' ()"'' ,-$*K3 (' *(+"9' *$'($',$*' /'' ()$&' *) 1.' /'($+$*(' *

R' 79' 1 +.' %) ' ' ()"'-' .' /*' 8$+9' %$11 T' %+ ($' (+/'6$+'/'' $3+ "+9' !B CB'R' %"*' 8$+9' %$11' 21$"*$.' %/()' ()$' '$%*' #() *$'8/'$*' "'.' *$$.*' 9 ')"8$' 2+ &/*$.')/&' "'.')"()'2",-$.' 2'9 +' 1$(($+' # +' ()$' /&2+ 8$&$'(' #)/*' '.$+*("'./'6'/''()$*$' &"((($+*' ()')/&'"'.' &9'1".9' "+$' 8$+9' & ,)', ',$+'$.' # +' 9 ' "'.') 2$'/'' "1/((1$' (/&$'(' *$$' 9 ')$+$' "6"/'' 2$+#$,(19' +$, 8$+$.' +' 9.$')"&' 2+$*$'(*')/*' *$+8/,$'('9 ' "'.'/*' %'2+/'('6')/*') - TK)$') -'%"*' ()$' 4)*$+8"(/ '$*' 7$./,"$' ()"(')"*' 3$$'' "1+$".9' +$#$++$.'(

E'1"($+'1$(($+' # (+/'6$+ *' *) %*' "& '6' ()$+' ()/'6*' ()"(' ,-$')".' ' (' 6"/'$.' "11' ()$' 3$'$#/(')$') 2$.' # +' #+ &')/*' #/+*(' %/'($+' +$*/.$',$' /'' ()$' * ()' # +"',$' R' ' "&'8$+9' * ++9'(')$"+'()"(' 9 +', 6)'. ()'/',+$"*$' 2 '' 9 ' /+' D" 1' $/1'/*' *(/11' # 2/'/ '' ()"((' , &$' (' '61"'.' "'.' &"++9' "' 9 '6'% &"'' /*' ()$' 3$*(+$&$.9' 79' 1".9')"()' +$,$/8$.' 9 +' 3 ;' # +"'6$' (+$$*' "'.

T Q&,0)&*' 1 0 0* 1/' K&) ( )1*') ,' ?0 ,' C0 0' , (20' D@' 5 ' ? * 0' C?)' 07(, 102' ?0') / 1(*' (,)1/' ?0' B).E0' ('0 *' C?01'C 1/' ? *' $B 0')' ?0' M *' (')' ?(0*D& @ %

' ? * 0' -)' ' '' ' '' 1/0')' B).E0' ;' M0D ' : ;# "

8"1 $* ()$&" "* "8$+9 ,) /,$ 2+$*$'(#+ &' '$ #)$+3$*(#+/$'.*)$)"()* *$'(($+H$"'(($2)$'*%) /* "
&"' # 6+$"(.$1/6)(/' 6"+.$'*" "'.')$)"()' '.$+("-$'
(&"'"6$ ()$&'# +')$+' 7 9 1 +.'/* "1* ' 21$"*$.'$;,$$.<
/'619 %/()')/* 2+$*$'(# 8/'$, ((/'6*' "'.') "()' ("-$'
()$ 3$*(,"+$)$," ' (' 2+$*$+8$ ()$& ')$9 . '3 ()'
"& '6*(()$+ # 9 +' #+/$'.*)$"+(/19 .$*/+$ 9 +'+$, <
8$+9' "'.'1 '6 ('*$$ 9 '"6"/'/' '61"'. TK

R $+$ "+$ ./8$+* *)$11* "'.'*(+"'6$ ()/'6* *$'(9 '
#+ &' ()$ ")"&"*T (+/'6$+' %+ ($ (% ' & '()* 1"($+'
R %)/,)' &9 1 +.')"()', && '/,"($.'(' 7+' 91$')$9
"+$ ' %' 3$# +$ ()$ 9"1 ,/$(9 ' . 3(' (3 (/'
* &$*) +((/&$ 9 '%/11')"8$ "1$"+'$.'1$,(+$ TK

'%)"($;($'(,-$ &".$ *$ # ()$ &$./,"1($",)<
/'6 ##$+$.'(')/&' "(7 '(2$11/$+. $* ' ("22$"+')$
$'(+/$* /'')/* H +'"1*) %'()"(' "* * '* "* ()$ #/+*(#$%'
& '()*)".' 3$$'' *2$'(/'' $;21 +/'6 ()$ '$/6)3 +<
) .' "'.' *(.9/'6 "11 ()$ ' 8$1(/$* # 1/#$ /'' * ()$+'
+"',$')$ +$* &$.')/* 1.')"3/(#+$"./'6'()$) -*
$;"&/'$.' 39)/&' 3$/'6 $*2$,/"119 * ,)' 1.' "'.' '$%'
% +-* 39 +$',)' "'.' ()$+# +$/6'' " () +* "*)$ /* ' (
1/-$19 (')"8$)".',,$** ('%)/1$)$ %"* /'' '61"'.

/* ,)/$# ,, 2"(/ '' . +/'6 ()$*$ & '()*' 2$+)"2*
,"++/$.' '' "(/'($+8"1* "11 ()+ 6)')/* * H +'' /'' +"',$'
%"* ()$ +$8/*/ '' "'.' $;2"'*/ '' # ' ($* %+/(($'' 39)/&'
/'' ()$ 2+$8/ * 9$"+*' /'' 2+$2"+"(/ '' # +' ()$ 4 **"9 , '<
,$+'/'6 &"'' '.$+*("'./'6' ("31$ /'./,"(/ '* #
()$ %"9 /''%)/,)')$ %"* , ',$'(+"(/'6)/* () 6)(* '
2)/1 * 2)/,"1* 3H$,(* "22$"+/'' ()$H +'"1') * ''()$
2"6$.$8 ($.' (' ()$! ()' # 7"+,)' ! C '%$#/'.'()/*
#/K+*($'(+9' R "/' T '' ()$."9 3$# +$)$)".' &".$ "'

' ? * 0'-)' '''' ' 1/0')'B).E0'"' ' ' :;"
' & '-)' '''' ' 1/0')'B).E0'# &10' ;:

$;2$./(/ '' *9'' +' $/6)(' &/1$*' (' # 7 '(2$11/$+'(' 8/*/(' '* C% '.$+# 1') *$' 088.()'/(*' 6"+.$'*' "'.'"5 $. ,(' 1"($19C *$(' 2' 39' '* '$/6)3 +/'6' &"+5 /*' '' ()$'# 11 %/'6' ."9')$' 08"*' 11$,(/'6' *("(/*(/,*' "3 (' ()$' 2+ ($*("'(*' # ()$' (%'' '' ()/*' ."9' 2$+)"2*' ()$' +"/'' *2 /1(' * &$' 21"'' ()"(')$')".' &".$'# +' "' ()$+' $;2$./(/ '' +' "' ()$+' /'5 /+9' E(' "'9'+"($' ()$'+"/'' -$2(')/&' "(') &$' "'.'* &$') -' ()"(')$' (-' 2' +'* &$', '8$+*"(/ '' /'' %)/,)')$' $'6"6$.'*$(')/&' ()/'-/'6' "'.' %)$5')/*' () 6)(*')".' *)"2$.' ()$&< *18*')$'%+ ($'. %''()/*$2/(&$' #()$&'GH &' &"6/''"+9' *2",$'*$$&*'(' &$'('3$' ' ' & +$"'9()/'6'()"'' ''/&"6/< '"+9'% +1.' +'/#'" &"'' "'.')/** 1'+$&"/'$.'"'.'()$' %) 1$'% +1.'%$+$' "''/)/1"($.'()$+$'/* 1$#(')/&'()$'2 %$+' #/&"6/''/'6' $/()$+' ()$'% +1.' +' ()$' $;($'*/ '' /(')".' %)/,)'/*' "11' '$'%/()' ()$'*2",$'/(' #/11$.' 3 (' /(' 2+ 8$*' '(' ()"(' ()$'/&"6/'"+9'*2",$'/*' "'9()/'6'+$"1' +'2 */(/8$' +'*2",$' +' $;($'*/ '' *$2"+"($./'' +' () 6)(*'#+ &' &"(($+' +' 3 .9' *$$&*' (')"8$' ' ' & +$' +$"1' $;/*($',$' ()"'' ' &3$+')"*' ' +$' &$+"(/ '' %/() (' "'9()/'6' (' 3$' ' &3$+$.' "'.' '$' &"9'"* %$11'*"9'()$' ' &3$+' #' ()$' *$"C*"'.' . $*' +$"119' $;/*(' "'.' /*' * &$()/'6' ()$' % +1.' 3$/'6' "''/)/1"($.'"* ()"(' ()$'*2",$' +' $;($'*/ '' #()$'*$"' . $*' $;/*(' +'/*' "'9()/'6' "#($+'* ,)' "''/)/1"< (/ '')$*$' "+$' '19' "##$,(/ '* #+$"1' $;/*($',$*M()$' '$' #"'9'3$/'6'%)"(* 8+' ()$' ()$+' '19' #&"($+/"1' 3$/'6*'%)/,)'()$' &/'.')"* 2 %$+' ' (' '19'(' ,'$/8$' "3*(+",($.19' 3 (' /',+$"*$' 39'+$2$(/(/ '' +"../'6' '$'(' "' ()$+' "'.'('$'1"+6$%)/,)'/(')"()' ' (' "'9' ()$+'/.$"* 3 (' () *$' #5 "'(/(9'%)/,)' "& '(' "(' 1"*(' 3 (' (' ()$' #", 1(9' #/&"6/''/'6' "'.'+2"(/'6' "../'6' '/(* +' ' &< 3$+/'6' (' /#()$'% +1.'%$+$' "''/)/1"($.' '$')".' ' ' & +$' +$"* '' (' ()/'-'*2",$' "'9()/'6'()"'' ()$' ."+-'$** ()"(' %/11' ,$+("/'19' 3$'/'' /(T'K

' B) 2' 1/' ' ' "

R 2",$ /'' /(*$1# T , -$ %+ ($ "3 ('" 9$"+' 1"($+' /'' ! ' R *$$&* (' 3$ ' ()/'6 3 ('" ,"2",/(9' +2 **/3/1/(9' # +' $;($'.$.' 3$/'6* +' 3 ./$* (' 3$ +' $;/*(' %)/,)' %$ "+$ "2((' , ',$/8$ /'#/'/($'. # +' ()$+$ 3$/'6 /'' ' ()/'6 ' ' +$*/*(" ',$' %$)"8$ '" , ',$2(/ '' 8$+9 '"(+"1 "'.' 8$+9 (+ $' ()"(' 1$(3 ./$* 3$ "1+$".9 "* #"+' $;($'.$.' "* 9 ' %/11' 9$(' /# ()$+' '$%' 3 ./$* *) 1.' 3$,+$"($.' ()$9 &/6)($;/*(%)$+$ ()$+$ "+$ ' %' ' 3 ./$*' E 61 3$ #'" # (./"&$($+' &/6)($;/*(3$9 '.' ()$ (& *(* 2$+#/,/$* #"11 3 ./$* ' %' $;/*(/'6'. "'.' 3$," *$ %$)"8$' 39 +' ",5 "/'("',$ %/()' 3 ./$*' 6 (()$ /.$" #()$ #/6 +$ "'.' ./*(" ',$ #()$ * 2$+#/,/"1 2"+(#'" 61 3$ #'" # (./"&$< ($+' %$ "+$ "2((' /&"6/'$ ()$ *2",$ %)$+$ ()$ 61 3$ $;/*(* (' 3$ +$"119 * &$()/'6' (')"8$ '" +$"1 $;/*($',$ 3$# +$ "'.' "#($+' /(* $;/*($',$ ()$+$' %)$+$"* /'' (+ ()' /(/* +$"119 ' ()/'6' "'.' * ') "* ' ' 22 */(/ '' +' +$*/*(" ',$ (' ()$ 3$/'6 #* ,)' " 3 .9 ()$+$' () 6)' %$' "2219/'6 ()$ /.$" # " ' "(+"1 61 3$' "+$ "2((' , ',$/8$ /("* * &$< ()/'6 * ' #"+' $;($'.$. MJ"'.' ()$*$ "+$ 2+ 2$+19 ()$ /&"6/< '"+9 *2",$* ()"("+$ * ' & ,)' ./*2 ($.' # T J

R #/(3$ 2 **/31$ T , -$ "..$./'' ()$ *"&$ 2"2$+' "#($+' * &$ +$&"+-* '' ./*(" ',$' R (' * 22 *$ ' ()/'6' +' /'' +' () 6)(*' (' +$& 8$ "1 &"'' '$+' #3$/'6* #+ &' "'9 21",$' ()$'' ()/* /&"6/'"+9 *2",$ /* H *(' ()/'6' "'.' */6< '/#/$* ' ' & +$ 3 ('" 3"+$ 2 **/3/1/(9 ()"(3 .9 &"9 $;/*(% $+$ ' %' ()$+$ /* ' '$' #/(3$ /&2 **/31$ (' * 22 *$ 2 +$ ' ()/'6' +' (' $;($'.' +' () 6)(* %)$+$ ()$+$ /*' +' %$," '' * 22 *$' ' ' 3$/'6' ()/* *2",$ 8 /.' #3 .9 & *(3$ * &$()/'6 3$1 '6/'6 (' ()$ 3$/'6 #()$ $/(9' (' 3$ /('$ +' ()$ ()$+' ()$ /.$"' %$)"8$ #/(%$ ("-$ #+ &' ()$ $;($'*/ '' #3 ./$* %)/,)' #"11 '.$+' +' *$'*$* :"'.' ()/* /.$" #$;($'*/ '' 3$/'6 *$((1$.'/'' +' &/'.*' %$

"+$ "31$' 39 +$2$"(/'6 ()"(/' +' () 6)(*' %/() ("''$;/'6 3 .9 +'/&2$'$(+"3/1/(9 ('/(('/&"6/'$ *2",$* %)$+$ ()$+$ "+$ ' '3 ./$*' %)/,)'/&"6/'"+9 *2",$*'/# %$ * 22 *$ "11 ()$+' 3$/'6* "3*$'(' "+$ 2 +$19 ' ()/'6' 3 (&$+$19 " 2 **/3/)(9 ()"(3 .9 &/6)(()$+$ $;/*(' +'/# /(3$ " '$,$**/(9 (' * 22 *$ " 3$/'6 ()$+$' /(& *(3$.' %) *$ 3$/'6 %$ () *' &"-$' ()"(/*' * 22 *$ $;< ($'.$.' 3 (' (/&2$'$(+"31$' (' 3$ /('$ +' ()$ ()$+' $;($'*/ '' *$$&* (' 3$ &$'("119 *$2"+"31$ #+ &' 3 .9' "'.' ./*("',$ ' ()/'6 3 (()$ +$1"(/ '' # *2",$' +$* 1(/'6 #+ &' ()$ $;/*($',$ # (% '2 */(/8$ 3$/'6*' +' %)/,)'/* "11 '$' (% ' 2"+(* # ()$ *"&$ 3$/'6

) *$ $;(+",(* &"9 * ##/,$ (' *) %') % ,-$ %"* /'8$*(/6"(/'6 "'$%' ()$ 2+ 31$&* # &$("2)9*/,* %/()' " 8/$%' (' & *(,1$"+19 *$((/'6 # +()')/* +/2$*(2/'/ '* ''()$ & *(/&2 +("'(# ()$&'/'')/* 4 **"9 , ',$+'/'6 &"'' '.$+*("'./'6 ' ()$+' ($* ()"( )$ &".$ "(()/* (/&$ '' -/'.+$.' * 3H$,(*' * ,)'"* $;($'*/ '' *2$,/$*' &$& +9' "'.' /&"6/'"(/ '' &"9 ()$+$# +$ 3$ 2"**$.' 39: 3 ('$ 2"+"6+"2)'%)/,)', '("/'* '$"+19 ()$ %) 1$ -$+'$1 # ()$ 4 **"9' "* #"+' "* &$("2)9*/,* "+$ /'8 18$.'/'' /(' 6)( )$+$ ('3$ ' ($.

R '5 $*(/ '*%)$+$ ()$+$ "+$ "+6 &$'(* '3 ()'*/.$* T ,-$ %+ ($/'' !B 'R '$ 2 */(/8$ 2+ #/* ('2+$2 '.$< +"($ (" 6+$"(&"'9 '$6"(/8$*' 3$," *$ " 2 */(/8$ 2+ # /* "1%"9* # '.$.' 2 '' * &$ +$"1 $;/*($',$ %)/,)' %$ -' %' "'.' "22+$)$'.' %)$+$"* ()$ '$6"(/8$ "+6 &$'(* ($+&/'"($ 6$'$+"119 /'' ' ()/'6' /'' +' (3$/'6 "31$ (', ',$/8$' "'.'*' &"9 3$ ' ()/'6 3 (, ',1 */ '* #+ &' +'/6' +"',$ +'/',"2",/(9' "'.' ' (#+ &' ()$ (+ ()' #

' B) 2' 1/' '' '), '(0' UC ?' ?0*0' '(**(/0* B).E0%* 07' 0**)1')'?*- 0C*)1' ?*'*&D%0.' 1' ?0' $ **(@'.)1.0 1 1/' &, (1' 120 * (12 1/ % D))E' .?' 7

(/1/'6* %)/,)' &"9' "'.' %$')"8$' $;2$+/$',$' . ' +$"119'
$;/*(' () 6)' ()$9' $;,$$.' +' , &2+$)$'*/ '')/*'
"& '6*(()$' ()/'6* %$' -' %' "'.' 1/$' 38/ *(' +'*$'*$*'
/* 8$+9' $8/.$'(: # +' () 6)' %$' "+$' 8$+9' %$11' ",5 "/'($.J
%/()' &"((+' & (/ '' "'.' ./*("',$' 9$(()$+$' "+$' &"'9'
()/'6* /'' ()$&' %)/,)' %$' 39' ' ' &$"'* , &2+$)$'.W
8$''/'' ()$' ()/'6* & *(38/ * "'.'#"&/1/"+'(' *' +'
'.$+*("'./'6'/* ' '21 **$.' "'.' 2+$*$'(19' ./*, 8$+* /(*
%$"-'$**: %)$'$8$+'/($'($+* 2 '' ()$', '*/.$+"(/ '' #
"'9()/'6' ()"(/* '1/&/($.' +' % 1.' 2$'$(+"($'/'(' ()$'
& .$* +' &"'' $+' #3$/'6' +' 2$+"(/ '' /(2+$*$'(19' &$$(*
%/()' ', '5 $+"31$' ./##/, 1(/$*' 7"(($+' "'.' #/6 +$' "'.'
& (/ '' "'.'()$'.$6+$$* #3 ()'%$')"8$',1$"+' ' (/ '* #:'
3 (' %)$''%$' 3$6/'' (' ()/'-' # ()$' $;($'*/ '' +'./8/*/<
3/1/(9' # ()$' '$ +' ()$' 3$6/''/'6' # $/()$+' +' '.$+<
("'./'6'(/,-* "'.' 3 661$* "'.' -' %* ' (%)/,)'%"9'('
(+'' EI$ "1* ')"8$' ' ' ()$+' ' (/ '' # 2$+"(/ ''3 (#
&"(($+' 39' & (/ 'M"(1$"*(' & *(, '#$** ')"8$' ' ('
"'.' *) 1.' 3$ 61".' (')"8$' "'9' '$ $;21"/'' (' &$'/'($11/<
6/319' "'9' ()$+M"'.' 9$(%$*)"11' #/'.' /( )"+.' (' &"-$
("'9' 2)$' &$' '' 39' () *$' ," *$*' EI$ -' %' 8$+9'
%$11' ()"(%$' ()/'-' "'.' "(21$"* +$' & 8$ +*18*' "'.'
9$(' /# %$' %/11' ()/'-' '" '$6"(/8$' "+6 &$'(* ##/,/$'(('
3 /1.' ''%$' *)"11')"8$' +$"* '' (' . 3(%)$()$+' %$' ,"''
.' '$' +' ()$+': /(3$/'6' (' &$'/', ',$/8"31$') %' &"(($+'
) 1.' ()/'-' "'.' "/', &2+$)$'*/31$') %' "''/&&"($+/"1'
()/'-/'6' ()/'6' *) 1.' 3$ "31$' (' & 8$ &"($+/"1' +' 3$
"##$,($.' 39' /(' EI$)"8/'6' ()$+$# +$' 2 */(/8$' $;2$+/$',$'
+' ()/'-/'6' "'.' & (/ '' ()$' '$6"(/8$' "+6 &$'(*
"6"/'*(()$&' "'.' ()$'/&2 **/3/1/(9' # '.$+*("'./'6' ()$&'
'8+' *)"-$ +' "**$'(' ()$*$' (+ ()*% %)/,)' 2$+)"2*'
%/11' 2+ 8$ " , '*/.$+"31$' + 1$' ('.$($+&/'$ *'/'' 8$+9'
&"($+/"1' 5 $*(/ '*TK

' B) 2' 1/' ' '

(' %"*' (') %8+'%/()'&$("2)9*/,"1'2+ 31$&*' "1 '$ ()"(' ,-$' %"*' ' %' , ',$+'/'6')/&*$1#' 7$("2)9*/,* %$+$' '19'+$, 6'/*$.'39')/&'('3$' #"'9' "1 $'/'' *'#"+' "*' ()$9' 9/$1.' *"(/*#",(+9')92 ()$*$*' %)$+$39' %$' ,"'' $;($'.' +'+"'6$' #&"(($+C #C#",(' -' %1$.6$')/* /* /'./,"($.'39' '&$+ *'$'(+/$*' /'')/* H +'"1'' ("319' 39' '$' *$+/$*' #$'(+/$*' &".$' 3$(%$$'' 7"+,)' "'.' 7"9' !B '%)/1$' '')/* %"9'3",-'#+ &' 7 '(2$1)$+' ('D"+/*' %)/,)'+$".'(6$()$+'#+&' "(1$+"319', '*$, (/8$' $**"9' '*(.9

R')$' $;($'(' #-' %1$.6$' +' ()/'6*' -' %"31$T')$' ()$''%+ ($'R/* * '8"*('+'. +"(/''')$+$' * '*) +('"'.' ()$'$'(+"',$'39'%)/,)'()$'-' %1$.6$' #()/'6*'6$(*'/'('+' .$+*("'./'6'*'"++ %'()"(' ()$'%) 1$'(/&$' #+' 1/#$'/*' (' $' 6)'(' ",5 "/'(' *'%/()'"11' () *$' ()/'6*' ' %/' ' (' *"9'%)/,)'%$' "+$',"2"31$' #-' %/'6'3 (' %)/,)' /(' % 1.'3$' ' (' '19', '8$'/$'(' 3 (' 9$+9'".8"'("6$ *' (' -' %' (' ()$+$# +$'& ,)'3$) 8$*' *' (' /&2+ 8$' ()$' 3$*(' %$',"'' +'(/&$"'.'("1$'(' /''()/*'+$*2$,(' "'.'*/',$' %$')"8$'"1 '6'H +'$9'('6 ' "'.'()$'."9*"+$'3 (' *) +(' ('(" -$'()$'*(+"/6)($*(' "'.'& *(' ./+$,(' + ".'%$',"'' TK ,-$",, +./'619' +6$.'()"(' ()$'(+(*' "'.'/'($+< &/'"31$'39$C2"()*' +'H '61$*'%/() (' 8''' "'9'2"()%"9* ()+ 6)'()$&'/''%)/,)'* ' &"'9'&$''"+$'# '.' #1 */'6' ()$&*18*' *) 1.'3$',"+$# 119' "8 /.$.' # ()$*$')$' $' &$+"($.'#/8$' R' /+*(' E11' ()"(' &"=$' #% +.* "'.' 2)+"*$*'%)/,)'))"8$'3$$''/'8$'($.' "'.' $&21 9$.' '19'('/'*(+ ,(' "'.'"& *$'2$ 21$/''()$"+(' #./*2 (/'6:' "'.'%/()' ()/*' -/'.' #*(## ()$'1 6/,*'2)9*/,*'$()/,*'&$("2)9*/,*' "'.' ./8/'/(9' #()$'*,) 1*"+$'() 6)('39'* &$'('3$'(' & ,)'#/11$.' &2(9'* '.* %/11' ' ' & +$'/&2+ 8$' +' '.$+*("'./'6*' "'.'*(+$'6()$'' +'+$"* '' ()"'' ()$' /*$'

/,$ 5 $*(/ '* "'.' +$& ($ *1**' *2$, 1"(/ '*: "*'
_%)$+$ ()$ $"+()19 2"+"./*$ %"*' +' %)"(#+ /(/(%"*
()"(%"*' # +3/..$'' %)$+$ "="+ * * 1'%"*' %)/1*( )/*
3 .9 1"9 .$".' "'.' %)"(-/'.' # 3 ./$* %$ *)"11')"8$
"(()$ +$* ++$,(/ 'TK

)$ '19 2+ 2$+' 3H$,(* # *(.9' ,-$ +6$.' "+$'/''
()$ #/+*(21",$' ()$ %"9 # 3("/'/'6)"22/'$** /'' ()$
()$+' % +1.:' "'.' /'' ()$ *$, '.' R " 5 /$(2+ *2$+ *
2"**"6$ ()+ 6)' ()/*' %)/,)' +$5 /+$* " ./*,+$$(, '. ,(
"'.' &"'"6$&$'(# +*18*'/''()$ * "1 ,, ++$',$* #
+'1/8$*:T "'.' +'*(./$* *) 1.'3$,) *$''/'",, +."',$
%/()' ()$*$ 3H$,(*'$",)'/'./8/. "1*1,(/'6'() *$2 +* /(*
+'%)/,)')$#/'.*)/&*$1# 3$*(#/(($.' E'.')$ *) 1.'3$
2+ .$'(' ' ('19/''1/&/(/'6' ()$ +"'6$ #)/*'*(./$*'3 (
"1*'/''1/&/(/'6')/* .$8 (/ '' ('()$&' R '"&'* +$ ()$
2+/',/2"1 $'.' %)9%$ "+$ ('6$(-' %1$.6$)$+$ /* ('
&"-$ *$ # /(# +'()$ 3$'$#/(# +*18*' "'.' ()$+*/''
()/* % +1.'3 ('/# 39 6"/'/'6 /(%$.$*(+ 9 +')$"1()'
%$ 1"3 +'# +' "()/'6' ()"(%/11' 3$ *1**' /'' +')"'.*'
$ ()"(*/'-*)/* 8$**$1' 39 8$+1 "./'6 /('() 6)' /(3$
%/()' 6 1.' "'.' */18$+' "'.' 2+$,/ *' *('$*' %/11' 6/8$)/*
%'$+'3 ("'' /11' ",, '(#)/*8 9"6$T ,-$'3+/'6/'6'
)/* &$./,"1 -' %1$.6$('3$"+'2 /'($.' (8$+9, 6$'(19
()$ /&2 +("',$ # , &219/'6' %/()' ()$ +$5 /+$&$'(* #
'"(+$ "* +$6"+.* *1$$2'./$('"'.' ()$ 1/-$'*) %/'6' ()"(
*(./ *' &$'' 6)(('.' ()/* & +$,"+$# 119 ()"'' ()$+'
&$'' "* ()$/+' *$.$'("+9)"3/(* +$'.$+'()$&' & +$ 1/"31$('
./*$"*$K

$ '$;($'1"+6$.' '' " * 3H$,("3 (%)/,)')$ %"*'
"1%"9* $1 5 $'(' R)$ * 3H$,(3$/'6 ,) *$''()$ 3 .9
"'.' &/'.' 3$/'6 3 ()' /'' " ($/'2$+' #/(# +' *(.9' [%)"(
+$&"/'* 3 (()"(" &"'' 3$("-$)/&*$1# (' /(Y)$*$

,$+("/ 19' "+$ 6 .' 2+$2"+"(+/$*' 9$(' /#' ()$+$' 3$ ' (' * &$()/'6' $1*$' . '$' 2$+)"2*' %$' *)"11' ' (' &"-$' "11' ()$' 2+ #/(' %$' &/6)(' (' /*' '" . (9' %$' %$' (' .' "*' ()$' # '("/'' "'.' " () +' #"11' (+ ()' %) ' /*' (+ ()' /(*$1#M"'.' /(' /*' '" . (JK' "1* ' %$' %$' (' +' %'' *18*' /#' %$' %.11' .$"1' ," './.19' "'.' */' ,$+$19' %/()' +' %'' * 1*M(')"8$' +' &/'.*' , '*("''(19' ./*2 *$.' (' $'($+("/'' "'.' +$,$/8$' (+ ()' %)$+$* 8+' %$' &$$(' %/()' /(' "'.' '.$+' %J)"(* 8+' "22$"+"','$' #21"/'' +' +./'"+9' *(+"'6$' '$%' +' 2$+)"2*' ./*21$"*/'6' /(' &"9' , &$'/'' +'%"9' + ()'/*' ()$' 2+ 2$+' 3H$,(' ()$' 2+ 2$+'+/,)$*' "'.' # +'/(+$' #' ()$' &/'.' "'.' ",, +./'6' "*')/*' *(,-' #'()/*' /*' * ' /*' ()$' ./##$+$',$' "'.' J"1 $' #' '$' &"'' "3 8$' "' ()$+' $' ()"(' #/11*')/*')$".' %/()' 8"/'' ' (/ '*' "'.' #"1*$' 2/'/ '*' &"9')"8$')/*' &/'.' 2$+)"2*' 2 ##$.' 2' "'.' *$$&/'619' & ,)' $'1"+6$.'.') (' /'' (+ ()' /(' /*' '"++ %' "'.' $&2(9:' # +' "11' ()"(' /(' , &2+$)$'.*' "11' ()"(' /(' , '("/'*' "& '(*' (' ()/'6' +' 1$**' ()"'' ' ()/'6:' # +'#"1*$) .' /*' 3$1 %'/6' +"' ,$' "'.' "' 1/$' % +*$' ()"'' ' ()/'6' +'#/+*(' "'.' 6+$"(' . (9' ()$''' /*' ('3+/ 6' (' +' *(./$*' "'.' (' +' /'5 /+/$*' "#($+' -' %1$.6$' " &/'.' , 8$(*' #'(+ ()' ()"(' *$$-*' "#($+' ' ()/'6' $1*$' "'.' "#($+' ()"(' /&2"+(/"119' "'.' $&3+",$*' /(') %' 2 +') %' , '($&2(/31$') %' '#"*)/ '"31$' * 8+' /(' &"9' *$$& TK' *$(' # +()' %)"(' *$$&$.' (')/&' ()$' 3$*(' %"9*' #' 2$+# +&/'6' ()"(' . (9' %"*' ()$' ,)/$#' 3H$,(' #' ,-$' *' ./*, +*$' (' #')/*' 8/$%*' ()$+$ '' %$' *)"11' &$$(' %/()' # 11$+'$;2+$**/ '')$+$"#($+' + &'()/*' * &$%)"(' +"&31/'6' 3 (' $;,$11$'(' $**"9' +' #+"6&$'("+9' *-$(,)' #' "'' $**"9' '19' '$' ()$+' 2"**"6$' '$$.')$' 5 ($.' R' (' /*' # 6+$"(' *$' /'' ()$' 2 +* /(' #' -' %1$.6$T' ,-$' *"/.' R' (' (' 3$' (' , '#/.$'(' ' +' (' ./*(+ *(# 1' #' +' %'' H .6&$'(' ' (' (' 3$1/8' %$' ,"'' , &2+$)$'.' "11'

()/'6*' +' ()/'6' $'()"(./*(+ *(*)/* %''H .6&$'(
/'' 8+9()/'6' "'.' ()/'-*)/* '.$+*("'./'6' ' (' (' 3$
+$1/$.' ''/''()$'*$"+,)' #(+ ()', (* ##)/* %''1$6*'()"(
)$' &"9' 3$' ,"++/$.' 2' "'.' . %''39' ()$+*' "'.' &"-$*
)/&*$1# '" +/./, 1 * .$2$'."'(2 '' ()$' -' %1$.6$' #
()$+*'%)/,)', "''2 **/319' 3$ #' ' *$'(')/&':# +' ', "''
' ' & +$' -' %' "'9()/'6' 39' "' ()$+' &"' * '.$+*("'./'6'
()"'' ', "''*$$'39' "' ()$+' &"' * 9*' ' & ,)' ' -' %'
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R' 7+'E'() '9T%)$'')$'%"*/'')/*' ()/+(9C#/#()'9$"+'3$/'6'2$+)"2*'./*2 *$.'('* &$%)"('$;"66$+"($'()$','<'$,(/'' #')/*#"&/19'%/()'()$'6+$"(' &"''%)'')"."1"($19'./$.'"((+/3 ($.'(' .,-$'()$',"+$''('19'#)/&*$1#')('#"')/*3+ ()$+*"'.'*/*($+*' R''+'$.,"(/'T')$'*"/.'R'7+' ,-$'6 8$+'$.'",,+./'6'('')/* %''2+/'<,/21$*'*/',$'2 3)*)$.'39')/&'"'.'%/()'* ,)'* ,,$**()"('%$"11'#*,"&$'('# 11'9$"+*%/()'*(+ '6'"'.')$"1()9', '*(/(/'*M&9'%''()$'% +*('() 6)'$8$+'#" 1(9'(/'#1"($' '%W"*)/*& +$'2$,)"+',)"+6$'3$/'6'"*$1.$*('* ''("-$''39'&9'6+"'.#"()$+'"'.'3+$.' '.$+')/*/&&$<./"($,"+$'7+' ,-$')"8/'6'()$"3* 1 ($./+$,(/''#&9'$. ,"(/''"'.'('%) &''$;('&9'/&&$./"($'2"+$'(*'"*'& *('%''()$'6+$"($*(' 31/6"(/''*' ')"8$'8+'2+$<*$+8$.'()$'76)$*('6+"(/(.$"'.'. (9TK)$+$/*' ()/'6'('*) %'()"(' ,-$')".'('.'%/()'"'9') (')$'$1.$*(' #)"#($*3 +9*6+"'.,)/1.+$''+'%/()')/&'/''()$',"2",/(9'#((+'"#($+')$'%"*"3 ('(%$18$'9$"+* 1.:'3 ('/('/*,1$"+'()"(')$')".'& ,)'('.'%/()')/&'/''()"('%"9'3$(%$$''!B G"'.'!B @' F$*)"11')$+$"#($+'*$$*&$<()/'6'#()$'R2+/',/21$*'/',$'2 31/*)$.'39')/&T''%)/,)'()$'9 ()'*"/.'()"('7*$.,"(/''%"*6 8$+'$.

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1 ^'%)/,)')$)".'* &$' 9$"+*' 3$# +$ ".8"',$.'('# 7+'
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%"* .$3(+'('')$+'G^' *' X T' D$+)"2* 7+*' /+,)')$12$.'
)/&'/''1 -/'6'"#($+' * &$ # () *$ &/' +', '+$+'*%)/,)'
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4 +"9$1* T '() $!B() R D"/.# + %1$9 * 4D $&* ! @* I : # + ") '$'! * M K D + & '()* 1"($+ '() $! () # $,$&3$+ ,-$ &".$ (" , +/ *)((1$ 1/*(# *&"11 $;2$'*$* /', ++$.' 39)/&:MR + " 3"+3$+ * 2 (@* : " ,+"8"(% 6+/'./'6 " +"= + "'.' 2$'-'/#$' (% (% ' ,+"8"(* * C ' : " 1/'-' : 6+/'./'6 (% ' +"= +* (' : ()+$$) 11"'.' ,"2* ?* : " & *1/' ,+"8"(?* N : ()+$$ 8/="+.' &"*-* ! ?* : "2211$* * : 21"9()/'6* # +)((1$ (+/'6$+' @*

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."9'R'7+'"+($+'%)'#''./('"1'6'(/&$''%('()$'
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'$;(,)"&3$+'('&$''"'."#($+.+/'-')".'%$11'%"+&$.'
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5 "++$1'%)/,)'3+-$'('/''.$#/"',$"'.', ##*'"'.'"3 (
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N, ''--'' 87' ''9! # 3''; 3*A
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+() &3$+1" ' . % "* /'($' ./' 6 (6 %/())/&' "*)$+ 6 $*(R) 2$ (21",$ &9*$1# /' 9 +) " ' . * /' (%$'(9 ."9* + ()$+$"3 (* T)$ %+ ($ ( ) 9 '"+. $"+19 /' E 6 *(: R " ' . (($11 9 ()$ (+ () /(/* ()$) 2$ # *$$/' 6 " ' . $&3+",/' 6 9 "6"/' %)/,) &"-$* &$ ("-$ ()/* H +'$9 TK (# #$%) +* "#($+ %+/(/' 6 ()"( )$ 1$"+'$. ()"(". 9 +() &3$+1" ' .)". "3" ' . '$. + 2 *(2 '$.)$+ 2+ H$,($. H +'$9:K " ' .)/* '$;(1$((+ ( ) 9 '"+. *) %*)/* ./*"22 /'(&$'(()$+$"(" ' .)/* ./**"(/*#",(/ ' %/() '$"+19 8+9()/' 6 "+ '.)/& R +('$, '(/' $* (()%"+("11 &9 21" '* " * *)$)"* , '*("'(19 . '$ 8+ */',$ &9 +$(+' (' '61" ' . T)$ *"/. : R * & ,) * ' ()"( ) "8$,$"*$. (' $;2$,(()"(," ' ./*2 *$ # &9*$1# "* ' %/*) " ' . ()"('"1%"9* #/' . &9*$1# %)$+$ ' '8+ () 6)(# 3$/'6 TS ". , -$ 1/8$. "11 ()$*$ # +(9C$/6)(9$"+* " ' . '19 ' % &". $ ()"(./*, 8$+9 Y

/' .$+$. #+ &6 /'6 * # #"+ "* D"+/*) $ %"* "31$ (*2$' . ()$ #/+*(%$$- + * # $2($&3$+"(E1*# +./' $'(: " ' . " & '()1"($+)$ %"* "(;# +. S (/' ()$ /'($+8"1 " ' . "#($+%"+. *)$ %"* 8$+9 3 *9 "( ) " '$(*$) $12< /'6)"#($*3 +9 "(()/* (/&$ 2"+(19 "* " . ,(+ "* %$11 "* /' 2 1/(/,"1 "##"/+* R) ". &" '9 ()$+ ()/'6* (%+/($ "3 (T)$ *"/. /' "3+ 2($' ./'6 # " 1$(($+ ( ) 9 '"+. R 3 (2$ 21$, &$/' " ' . /'($++ 2(&$ " ' . ()$ 2 *(/* H *(6 /'6 (' " ' . % /*) " () *" ' . (/&$* ()"(, 1. 6 %/() /((D"+/* TS

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R' #' 7 ' &$+')"*' 6/8$''' 9 ' ' "*')$' 2+ &/*$. ' ()$' 1 '6/(.$*' #' "9 ' '$" "' .' +. 8"' /'' +$1"(/ '' (' D"+/*' 9 ' %/11' ". .' & ,)' (' &9' (+$"* +$*' 39' *$' ./'6' ()$&' (' &$ T' %"*' '$' *$'($',$M/11 *(+"(/8$' # , -$ *')"3/(' # ",5 /+/'6' /'# +&"(/ '' # "11' * +(*M/'')/*' '$;(' 1$(($+' (') 9' "+. ' $"+19' "11')/*' , ++$*2 ' .$' ,$' %/()' ()/*' #+/$' .' /*' ,+ %.$.' %/()' 5 $*(/ '*' "' .' " '*%$+*' &$**"6$*' "' .' +$21/$*' "3 (' &$,) " '/,"1' /'8$'(/ '*' "' .' ()$' 1/-$' R')$' 2"+1/"&$'(' %/11' &$$(')$+$' * ' T' ,-$' ". .$.' /'' ()/*' 1$(($+' R' "' .' ()$'' ') 2$' (' #/' .' * &$' '$' "& '6' &9' #+/$' .*' %) ' ," '' 6/8$' ()$' &$"* +$*' #' ()$' *(22$+*' '

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H' !?0@' *(@' ?0' 0 0'?(1 ' *' ?0' C *0*') ' D0(* * L' B) .E0' *(2' 1'? *' 107 ' 0 0 ' 2(02' ?0' ?') ' M0D &(@ ' H' (12' ? *')10' C0 ' .)1 , *' ?0') ' 1)1' ?(- 1/' -02' * 7 001') ' *0-01 001' @0(*' (' .)& ' C ?)& ' ?0 ' D0 1/' (D 0')' 2 *.)-0 ' *' *07 ' ' ?0@' .)& 2' 12' (' ' 10(' / (12' ')'))102')' *' D)2@')&/?' 1) ' ' ' 1 ')' *(@' ?(' ' *' (' D0(*' C ?' (' / 0(' *)& ' .' I & ' ' C)& 2' 1) ' ?(' ?0@' *?)& 2' / -0')' 0 0'?(1 *' '('0 ' (12' 1E' ' ' D0' &0' ?(' ?0@' .(1' C 0' 0*' ?0@' *?)& 2' 1) , ' ')* 0 @' D@' ?0 ' , 01) *' ?(' ' *' C0' , 01' C?)' (0')1 @' , (.? 10*' (12' ?(' ?0@' ( )10' ')**0** &120 * (12 1/' ' @)&' ?(-0' (1* (02' ?0' D& 0*K&0' -0 *0*' 1' , @' (* ' @)&' C ' (2 , ' ?(' ?0@' ?(-0' /))2' /)&12*') ' C 1/' ?&*' 1' ?0 ' '?)*)' '? .(' 0(*0* L' B) .E0' C(*')12') ' 2 .& 1/' ?0')' 1)1*') ' ?0' (0* (1*' (12' 1) ' &1C 1/' (*' 1' ? *' .(*0')' 2 .& 0') ?0 ' (D*& 2 0*' (*' C0

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&' 7+' +/*3"'$ "'.' ' * 22$.' 39' +*$18$*' ()$' ()$+' 8'/'6 T' 3$' %+ ($' #+ &' '. '' /'' 0 '$' R%)$+$' %$' .+"'-' 9 +')$"1()' "'.', 1.' %/*)' # +' ' ()/'6' $1*$' 3 (' 9 +' 2+$*$',$' (' &"-$' *' ()$')"22/$*(' #' &$'.' "'.' (' ($11' 9 ' ()$' (+ ()' ')"8$' '8+' 3$$'' & +$' +$*(1$*' ()"'' */',$' 9 ' +"/*$.'/'' &$' ()$') 2$' #' *$$/'6' "'.' $&3+",/'6' 9 ')$+$' "*($'' ' . ' 3$6' #' 9 ' () *$' "##"/+*' "(' +1$"'*' %)/,)')"8$' .$("/'$.' 9 ' * ' 1 '6' "'.' 6/8$' &$' ()$' 22 +('/(9' #' &"-/'6' * &$' +$(+'' # +' ()$' 6+$"(' 31/6"(/ '*' ()"(' ' %$' 9 ' # +' ()$' & *(' .$1/6)(# 1'#+/$'.< *)/2' #' &9' %) 1$' 1/#$ JT' K

#' ()$' +$/($+"($.' $;2+$**/ '*' #' +$6"+.' # +')/*' #+/$'.' %)/,)' ,-$' /'. 16$.' /'M"'.' #' %)/,)' '19' '" 8$+9' #$%' *2$,/&$'*' "+$' 3$/'6')$+$' 6/8$'M*$$&' +$. '."'('1$(' /(' 3$' +$&$$&3$+$.' ()"(J' ()$9' "+$' 2"+(19' ,)"+",($+/*(/,' #' ()$' (/&$' "'.' 9$(' & +$' ,)"+",($+/*(/,' #' ()$' &"'')/&*$1#')$+$' %"*' "' 6 *)/'6' # '("/'' #' ($'.$+'$**' /'' ,-$*' '"(+$'%)/,)' '"*)$')".' '$/()$+'%/#$' ' +',)/-/' ' +'*/*($+')$' 2 +$.' (' 2 '' ()$' 7$'.*' %) &')$' 1 8$.' OF$' &"9' *&/1$' "(' ()/*' /#' %$' 1/-$' (' /*' ' (', && '' ('&$'' #' ()$' % +1.' (' /*' ' (' '$' #' ()$' +./'"+9' &"+-*' #' '" 2)/1 * 2)$+' (' ,-$')".' /(' "'.' 2$+)"2*' 3 ()' "*' '" 2)/1 * 2)$+' "'.' "*' '" &"'' #' ()$' % +1.')$' %"*' $'+/,)$.' 39' ()$' 2 **$**/ '

I$+9' #$%' 1$((($+*' %+/((($'' 39')/&' (') 9'"+.' # +' * &$' 1 '6'(/&$' "#($+' ()$' '$' 1"*(' 5 ($.'#+ &')"8$' 3$$'' 2+$*$+8$.' "'.'%$' "+$' ' (' "31$' 8$+9' ,1$"+19' (' # 11 %')/*' & 8$&$'(*' ()+ 6)' ()$' 1"*(' (% '9$"+*' #')/*' +$*/.$',$' "(' ()/*' (/&$' /'' '61"'.' "8/'6' 6 '$' #+ &' "-1$9' (' ;# +.' "(')"#($*3 +9*' +$5 $*(' "(' (1/$' 3$6/''/'6' #' $3+ "+9' !B C!' "'.'*("9$.' ()$+$' (/11' "#($+' ()$' &$$(/'6' #' ()$' */;' ."9*'2"+1/"&$'(/'' 7"+,)')$' "22$"+*' (')"8$'

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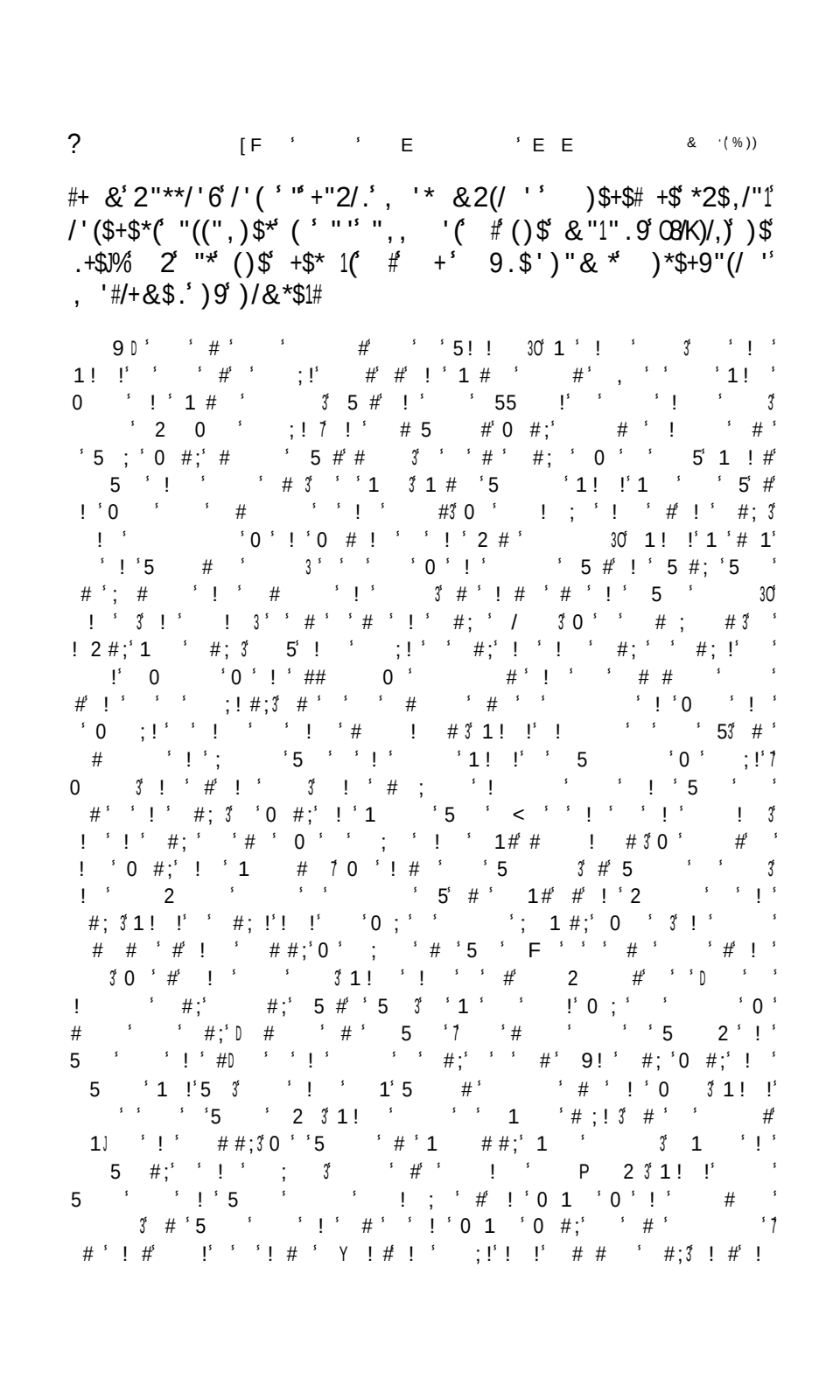

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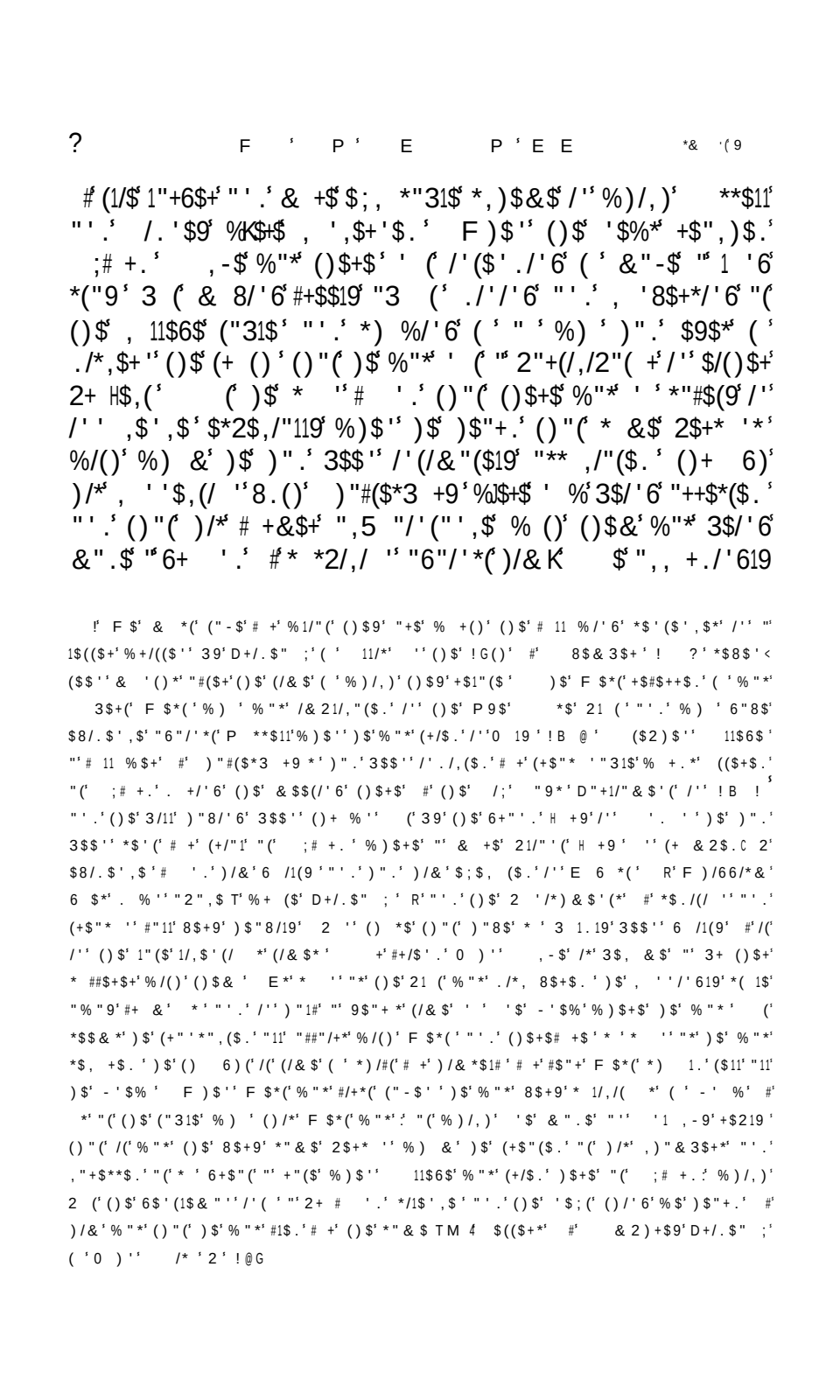

1$#(' ;# +.' * "' "#($+' ()$' @ (1(' #0 '$' ()"(' 3$/'6' ()$' 1"*(' ."9' "'%)/,)'%$' -' %')/&'(')"8$' 3$$"' ()$+$K' "'.'%$'(' . %"' (' &$+*$(*)/+$' 2$+)"2*' 8"' ()$"' /'($'./'6' (' 6' ' ' # +()$+' ('/"' E 6 *(' +' $2($&3$+')$' 5 /(($.' '61"'.:K' "'.' "#($+' 3$/'6' /"' $'(/+$' /6' +"',$' #)/*' & 8$&$'(*' . +/'6' * &$' & '()*'%$' *)"1' '$;('#/'.')/&' /"' 11"'.

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F)"(8+'/11'+$2 ($' ,-$' &"9')"8$' ",5 /+$.'%/()'()$' '61/*)' " () +/(/$*' "' ",, '(' #)/*' # +&$+' 2 1/(/,"1' "** ,/"(/ '*' "'.'%)"(8+' ."'6$+'(')/*' 2$+* '"1' 1/3$+(9' &"9')"8$' 3$$"' ," *$.' 39' ()$' * *2/,/ '*' %/()' %)/,)')$' %"*' +$6"+.$.' 3$# +$')$' 1$#(' '61"'.'/"' ()$' " (&"' # !B @')()$' * *2/,/ '*' "'.'()$'/11'+$2 ($'%$+$'/',+$"*$.'"'.' $;, *"319'39')/*' *$((1$&$'(' /"')/*' '$%') &$' 11"'.' %"*H *(')$"')()$' ,$'(+$' #, '*2/+",9' "6"/'*(')$'$*("3(')*)$.'6 8$+'&$'(' # '61"'.')$' -$' #7 '& ()' #1$.'('()$' "6 $'8$+9'* "' "#($+' ,-$'*8 1 '("+9'$;/1$' 3$6"'')$+$')$' "(#1+*(' '19' "& *$.')/&*$1#'"'.'2"/.' , +(' (')/** &$(/&$' +/8"1' ()$' D+/',$' #' +"'6$' 3 (' * &$' % +()9' () 6)' &/*6 /.$.' 2"(+/ (*'1/-$' ()$' "+1' #E+691$' "'.' 1$(,)$+' #' "1(' "'.' * &$' % +()< 1$**' ".8$'(+$+*' 1/-$' +.' +$9' #F"+-' "'.' 3$+(' $+6 ** ''6"()$+$.'+ '.')/&' "'.'/('/*' '(8$+9'*(+"'6$' ()"(' ,-$'*) 1.')"8$' 3$$"'** 22 *$.'('3$' #()$' '&< 3$+' +' ()"(' ()$' &$'%) ')".' -' %'" "'.')"($.')/&' "*)"#($*3 +9* & *(' (+ *($.'".8/*$+'*) 1.')"8$' 3$$"'' %' & +$' "';/ *' ()"'' 8+'('2 '/*)')/&'# +')/*' +$"1' "'.

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W $'%"*' "1* '#"1*$19',)"+6$.'%/()'3$/'6'/'' ,1 *$'/'($+, +*$'%/()'* &$' #' 7 '& () *' & *(' .$*2/,"31$' "11/$*' R')$' 1"*(' ",, '('%$')".' #')/&' #+ &' 11"'.' T' *"/.' D+/.$"2;'/'' ()$' 1$(($+'."($.'()$' ! ()' #' 8$&3$+' !B ? ' %)/,)')"*' "1+$".9'3$$'' 5 ($.' #+ &' R %"*' ()"(')$')".', '* +($.')/&*$1#'%/()' "+$' #' " '(' '"'.' ()$9'(% ')".'("-$''1 .6/'6*'(6$()$+' /''E&*($+."& T' >4 $((+*' #' &2)+$9'D+/.$" ;'('0)'' 11/* '2' !@G A' ('%/11' 3$' *) %'' /'' ()$' '$;(',)"2($+' ()"(' ,-$' () 6)' * &$(/&$*' "(' E&*($+."&' %"*' ' %' (+"8$11/'6' "3 (' /'' 11"'.' '"'.' "22"+$'(19' 2 +< 2 *$19'-$$2/'6' (' #'()$'%"9' #'()$', '*2/+"(' +*' "('()$' "6 $

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'- ' = '*$+/$*'8/// ' ' ' :'%)$',$'()$'+$*('#'()$', +<+$*2 '.$',$')"*'"1*'3$$''("-$''#+ &' ,-$*', 2/$*' (')"*'3$$''*8+"1'(/&$*'2+/'($.

%/()' /(' /& &$./"($19' R' ' &/6)(' 8$+9' %$11' $;2$,(T' %+ ($') &"*' $+3$+(')/*' , &2"'/ ' "(' 7 '(2$11/$+' %) ')".'* ,,$$.$.'(' ()$' $"+1. &' #D$&3+ -$'/''E 6 *(' !B @' R'()"(' '%) ')"8$')".' * ' & ,)' *"(/*#",(/ ''/''()$' #+/$'.*)/2' ')"8$' * ' &"'9' 9$"+*' , '(+",($.' %/()' 9 ' % 1.')$' 21$"*$.' "(' 9 +' .$*/6'' #, &/'6')/()$+' ()/*' %/'($+:') (' %)$'' ', '*/.$+') %' 2+$H ./,/"1'/(' &"9')$'(' 9 +')$"1()' (' 1$"8$' ()"(', '(+9' %)/,)' ')"8$' #($'')$"+.')"*' & ,)'/',+$"*$.'/(' ',"'(3 (' *$'&9'$'.$"8 +*' 9 ')* 1.'' (' +$& 8$'(/11'*2+/'6' '%"*' & ,)'* +2+/*$.' %)$'' ')$"+.'()$'+$"* '' #9 +', &/'6'* ' * '': 3 (' "*' * '', &# +($.'&9*$1#%)$'' ', '*/.$+$.') %'&"'9'&$'' #6 .'+$2 ("(/ ''39'3$/'6'",, *$.')"8$')".'"''".8"'("6$' 2 3),19'(' 2+ 8$'()$&*$18$*') '$*(' &$'' $+("/'19' ' %) '-' %'9 +',(/ '*' *) 1.'3$'(' 31"&$'(' 6/8$',+$./(' (' ()$+*' % +.*' ' &"9' 3$' "** +$.' ' ()/'6' *)"11')/'.$+' &$' #+ &')"="+./'6' "11' '"&'% +()'%)$'' /(' &"9'3$' ".8"'("6$ *(' '* ,)'"#+/$'.TK

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)$+$' %"*' ' * "1' "*2$+/(9'/'' '" 1$((($+' ()"(')$' %+ ($' (' ()$' "+1' #D$&3+ -$' '()/*' ,,"*/ '' R' ')"8$' #($'' % '.$+$.T')$' *"/.' R/'' ()$' %"9' ()"(' ' 1/8$.' "'.' ()$' &"-$' ' -'$%' &9*$1#' #') %'/(', 1.', &$'(' 2"**' ()"(' ' %"*' &".$'()$" () +' #*' &"'9' 2"&2)1$(*' '1$**/(' %"*' 3$," *$' ' #"11' &9' 1 +.*TM()"(' /*' +.')"#($*3 +9 *

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(1/$'D+/',/21$*' # R "(+"1' 1,(/ 'T' "'.' R ')$+/("',$T' ('
D 1/(/,"1' ,/$(9')/+.' ./(/ '' + %'' 8 ' 1 ()'2+/,$'?*
I 1 &$' ' #()$' '($+'"(/ '"1' ,/$'(/#/,' $+/$*

' ' ' E' $%' ./(/ '' P$8/*$.'
"'.' ++$,($/1' %/()' "'' '(+ . ,(+9' /**$+("(/ '' ' P$,$'(
)"'6$*' "'.' 8$'(*' + %'' 8 ' 1 ()'2+/,$' *'#/.

7 EP ' P ' E' $*,+/2(/ '' # ()$' 7 '$9' 7"+-$('
/;()' ./(/ '' + %'' 8 ' 1 ()'2+/,$' *'#/.

. '>E1$;"'.$+A'

7 ' E ' ')$')$ +/$*' # ()$/+' P$1"(/ '' /#()'
./(/ '' + %'' 8 ' 1 ()'2+/,$'?*
I 1 &$' I ' #()$' '($+'"(/ '"1' ,/$'(/#/,' $+/$*

" ' - ' R ;' W 9 *' =

. ? 0 , ' >NU /**' 7 A
' F /()' '" + '()*///$,$' + %'' 8 ' 1 ()' 2+/,$' @*') '
7E 7 ' 0 D ' P E ' E ' P'
P ' + %'' 8 ' 1 ()' 2+/,$' *' B,^

. ' >E ' A
' EP ' ' 7 ' +.*' #' 1$+& '("' .' #'
$((($+,"/+' ' "' .' ()$' 7 /. .1$('' "&/19' + %'' 8 ' 1 ()'
2+/,$' ! *' .

. ' > $ ' +9A ' 7
PE' F' ' E I ' E ' P E ' ' D 2 1"+' "' .'
D+",(/,"1' ($*' + %'' 8 ' 1 ()' 2+/,$' ?*')

. ' > 7 "H +' F /11/" & A
' D PE ' ' ' P 7 E ' EP 7 ' ' PE
' #+ &' $." ' '(' ()$' $' .' #()$' %"+' #! C !' F /()' 7 "2' + &'
()$' 0 + ' "1*' #()$' $" .C5 "+($+*' ("##' +" ' *1"($.' 39' ()$' 1"($'
' 7 ' 0 '$*' 7 //H' ()' (' D+ #' #' 7 /1' /*(' "' .) +*(' '
$&9' 8 ' 1 ()' 2+/,$' G*

. 0 , ' > "2("J/ ' ' E ' 8 ' A
E E ' ' P 7' ' F EP' ' ! C !
+" ' *1"($.' 39' 1 '$1' /+' &1$9' +")"&' "+(' 1"($' ! ()'
>P 9"1' +/*)A' P$6/&$' (')/+.' ./(/ ' ' P$8/*$.' " ' .' ++$,($.'
$&9' 8 ' 1 ()' 2+/,$' F

. 0 ,' >0"&$*A
' E 7E E ' ' F /()' + '(/*2/$,$' + %'' 8' '
1 ()' 2+/,$' z
7 ' F ' ' PE P' ' I E ' 7 '
E ' F /()' + '(/*2/$,$' + %'' 8 ' 1 ()' 2+/,$' z

. ;A ' > ' A ' 7 E ' ; '
7 P E ' PE E ' P 7' ' P ' E ' E '
D ' "' .' ()$+' D $&*' + %'' 8 ' 1 ()' 2+/,$' *

. ' > '($**' I 'A
P ' E ' ' PE I ' E' 8$1' @' 8 1*' 1 ()

. 0 ' > ' A ' '61/*)' 7 "*($+' 7 /. .1$C 1"**' /(9
,) 1' %2$+' (+$$(
' ' '# +' ()$' /*$' #' 7 .$+' ' ,) 1*' &"11'
+ %'' 8 ' 1 ()' /A+/,$' *')

. 0 ' > A ' ' +.' "' '/' 6 *' D+/8"($' $,+$("+9
"' .' # +' &" ' 9' 9$"+*')/$# & &/**/ '$+' #' 7 9* +$' "' .' +6'
E P ' D P ' 11 *(+"($.' %/()' 7 "2*' "' .'
/"6+"&*' $&9' 8 ' 1 ()' 2+/,$' ! b

" ' - ' R ;' 1' 9# / ' =

. 0 ' > $8 ' ' "1.%/'A' E
' ' ' (* $"1/(9' ;2$+/$',$' "'.' $*(/'9'
+()' ./(/ ' ' + %'' 8 ' 1 ()'2+/,$' F ')
' P ' ' E E ' ' ' ' '
' D ' ' I ' /8$' /*, +*$*' $, '.' ./(/J ' '
+ %'' 38 ' 1 ()'2+/,$' *'B.' W

. 0 '>0)'' + &3/$A' '$(,
7 ' ' PE ' +'P$, +.* #()$' P$21"'(/'6' #
(/1$' E12*')$' 8''$*'"'.'(//$' D9+$'$$*'%/()' +$$*' $+3"6$'
"'.' P *)' $&9' 8 ' 1 (1/'2+/,$'! *'G
' P ' ' P ' E P E' $&9' Z '
1 ()'H/+/$$'1 *'G

. 0 ' > $8 ' 7"+&". -$' A
' ' E ' EF ' +' E.8$'(' $,(+$* .$1/8$+$.'
/''()$' H//*, 2"1')"2$1'7/18$+(''F"+%/,-*)/+$' ''()$' '."9'
8'/'6* . +/'6'E.8$'(' ! ' + %'' 8 ' 1 ()'2+/,$' *' .

. ' F/11/"&' 11$'A
D 7 ' P$.C1/'$' ./(/ ' ' F/()' ?' 11 *(+"(/ '* "'.'
D +(+"/(' #()$'E () + D *(' 8 ' 1 ()'$;(+"'2+/,$' *'B.'
E')$"2$+' ./(/ ' ' %/()' + '(/*2/$,$' D *(' 8 * 1 ()
2+/,$'@*'B.

. ' > 3$/(A
D E ' F P ' 11$,($.' ./(/ ' ' /'' @' I 1$' %/()'
+(+"/(' D+/,$'B*'$",)
& ' ' ' " (
'R' "11".*"'.'P &"',$*T' 'R' "11".*"'.'D $&* # /#$T
'R' + /*-$$'' ''$(*"'.'R' -' # +&T
7E PC D P ' D *(' 8 ' 1 ()'1 /$$'! *'B.

. , ' > $8 ' $'+9' 0A
FE ' '"'.' ()$+' D $&*' + %'' 8 ' 1 ()'2+/,$' *

. ' > ' A
PE' P E'7 7 P' ' "//6)($+' #)+/*(/"'
I' # $'&"+-' F+/(($''. +/'6')$+' &2+/* '&$'(/''()$' 1 $'
%$+' # ()$' P 9"1' D"1",$' "(' 2$')"6$''!BB@C!B ' +"'*<
1"($.'39' ' 1/ ''$((' F/()' "'' E ((92$' D +(+"/(' # ()$'
D+/',$**' E' $%'"'.')$"2$+' ./(/ ' ' 7$./ &' 8 ' 1 ()'
2+/,$' *

' E ' E ' !' 8 1' + %'' 8 ' 1 ()
P' E' ' P'0 E ' E ' 9' ' ' F/11$
+"''*1"($.'39' ' ' ''7(' @'8 1*' 1 ()

B 1 ' - ' R ;' `T 9 / ' = !!

P/ +// P ' >)$' 1"($' $8 ' $ ' +9A ' 7 E ' EKK/K(" ( ] 7 / /3($+' "(+/ ' /(9') +,) ' +/9)(//
P 7 ' I /()' " ' ' '(+ . ,(/ '')9' 0)'' "$' ' E '
+ %'' 8 ' 1 () ' 2+/$ ' *' B.

& ' > $, /1A
' E 7 ' F' C' ' E ' F' ' F
E' 8$1' '8 1*' 1 ()

& ,' > 7 +*' .#+$9A ' E () +' # 4)$' E ' (/2 .$*' " ' .
P ' .' ()$' F +1. T
E 7' ' E ' /*(+/, "1' "1$*' " ' .' E ' $, . ($*' #' ()$' /&$*'
#' ()$' "+19' //"1/#") " ' +" ' *1"($.' #+ &' ()$' E+" 7 ,' +/#K/ ' "1*'
11 *(+"($.' %/()' /*(+/, "1' " ' .' ;H. " ' " (+9' ($*' + %''
4 3' 1 () ' 2+/,$' *

& ' > A ' "2("/ ' ' @ ' .' /6) (' ' #" ' ' (+9 ' $2 (9
E**/*(" ' (' E .H (" (C , $+"1 ' 1"($' D+ #$** +' #' ",(/,*' P 9"1'
7 /1/("+9' 11$6$ ' " ' .) +*(
7 P' E ' $, ' .' ./(/ ' ' F /()' B' 7 "2*' " ' .'
D1" ' *' $&9' 8 ' 1 () ' 2+/,$' ! *

& ' > .%"+.A ' P E
' ' ' F P ' '" /&21$' E , , ' (#
7 " '' / '' "+19' /&$*' $%' ./(/ ' ' + %'' 8 ' 1 () ' 2+/,$' *'
E' 2$,/"1' ./(/ ''# +' ,) 1*' D+/,$' *

' ' ' P ' ',1 ./' 6' '" /&21$' E , , ' (
#' ()$' /+()' " ' .' + %()' # 7 9()*' " ' .' 6 ' .*' + %'' 8 '
1 () ' 1 /,$' *

& ' > "+"A
DP ' ' ' I P ' P' ' P ' %/()'
* &$' $** ' *' /'' "(/ ' ' /'' "*9' P)9&$' E' $%' ./(/ ' '
11 *(+"($.' 1 () ' //+/$$ E ' B.

D E E 7 ' E' "/+9' P &" ' ,$' F /()' " '' ' (+ . ,(+9'
D+$#",$' 39' ()$' P/6) (' ' ' +.' 1$+/X16$' #' (($+9' (' 7 "+9' E'
$%' ./(/ ' ' 11 *(+"($.' >1 () ' 2+/,$' *' E

7 7 P' E ' P ' ' EPE' P ' ./($.' 39'
)$+' " 6)($+')/+.' ./(/ ' ' P$8/*$.' " ' .' ++$,($.' F /()'
' .$;' ' 8 1*' F /()' % ' D +(+"/(*' + %'' 8 ' 1 () ' 2+/,$' ?*
)$"2' ./(/ ' ' F /()' '$' D +(+"/(' 1 () ' 2+/,$' *' E

*6 ′ ′ !

- A ’ > $8 ’ 0 ’ 1$%$19 ’ A ’ 7 E
’ E ’ 7 E ’ **"9* ’’ C\ $*(/ ’* #
$1/$# "’ .’ D+",(/,$’ + %’’ 8 ’ 1 () ’ 2+/,$ *’ .

- (% ’ = " ’ >
’ 7 ’ ’ E ’’ 8$+9C."9’)+ ’/,1$’
11 *(+"($.’ 39’ F ’ ’ 6) $*’ ,"2’ 1 () ’ 2+/,$’ (*’ >/.
E’ /&21$’)+ ’/,1$’ #’’’)/1. * /#$

- ’ B ,’ ’ ’ > /, /’ ($**$’ 1" ’ 6$A
E’ \ P ’ ’ 3$/’ 6’ 7$& /+* # () $’ I/, &($**$’ .$’
$ 8/11$’ 7 $/1) "’ ’ ’ ./($.’ 39’ + %’’ 8 ’ 1 () ’ 2+/,$’ *’ >I.
’(")’/’6’ &"’9’ +$, 11$,(/ ’* # () $’ /+*(’ &2$+ +’ "2 1$ ’’
"’ .’)/* +(

- ’ ’ (’ > 1 ’ $1’ ’ DA
’ P ’ DE P’ 0 E ’ 0EP E ’ + /’ *1"($.’
#+ &’ () $’ +$’ ,)’ # 6$’ $’ D$11$("’ ’ EI/()’ ’’ + ’(/)H//$,2’
$%’ ./(/ ’ ’ ,"2’ + ’ D+/,$’ /(*’ ((.

- ’ ’ ’ >0", 3A
’ P E ’ ’ E 7 PE ’ F /()’ 1$8$’ ’ 1 *(+"(/ ’*
39’ %’ 1$9’ +/C$’ ’’ ’/1’ ()$+*’ + %’’ 8 ’ 1 () ’ 2+/,$’ *

- ’ ’ > /*, ’ (’ (+"(# ++1A’ D ’ ’]
[F ’ E 7’ ’ E’ P E Y’ /#()’ ./(/ ’ ’ + %’’ / ’
1 () ’ 2+/,$’ @*

- ’ C A ’ >E1$; /*A
PP D ’ E ’ I P E ’ D’ F ’
E E ’ F E 7’ P’ ’ 8 1*’ D 7(bU ’ 1 () ’ 2+/,$’ !8

- ’ ’ >E 3+$9A
E E P’ ’ P E ’ E’ +"&"(/,’ D $&’ D’/"1’
,+ %’’ 8 ’ 1 () ’ 2+/,$’ *
’ E ’ P E ’ E ’ P’ D 7 ’ E’ $%
"’ .’ ’1"+6$.’ ./(/ ’ ’ ,"2’ 8 ’ 1 () ’ 2+/,$’ *’ .
’ ’ ’ ’ DE P ’E ’ P’ D 7 ’ /’ 1’
,+ %’’ 8 ’ 1 () ’ 2+/,$’ *

- ’ ’ = >
P’ E’ .’ P’ 0 E ’ E ’ E’ 8$1’
+"’ *1"($.’ 39’ ’ ’ ’ ’ ’$((’ @’ 8 1*’ + %’’ 8 ’ 1 ()

- ’ >0 1&A
’ [’ 11$,($.’ "’ .’ E++"’ 6$. ’ 1$6"’ (18
3 ’ . ’ ,"2’ 8 ’ >1 () ’ 2+/,$’ @X’ .

" ' - ' R ;' N' 9 / ' = !

D ' >E *(/ ' A
I ' ' 7 ' E ' I ' ' ' $+ ' .'
./(/ ' ' $"2' 8 ' 1 ()' 2+/ ' JJ

D ' >E12) ' *$A' 7 D
E ' D E ' E ' ' ' D)9*/,/"' *' /'(*"3 (
,(+*' D"(/$' (*' 9*/ j $' "' .' ,/$(9:' %/()' ($*' # ; ; +<
*/ ' *' # +' $"1()' /'' ()$' D9+$' $$*' "' .' "& '2*(()$' F "($+/' OC
N/1",$*' # +"' ,$' > '1"' .' "' .' $"%"+.A' %/(=$+1"' .' +*/, "' "' .'
()$' 7$./($++"' $"' ' E' $%' ./(/ ' ' "+2$' 2 *(8 ' 1 ()'
2+/,$' 9e

D % ' > .%"+.A' D
E ' "' +/(/,"1' (.9' #)/*' 7/' .' "' .' E+(' $, ' .'
/1/(/' ' ' D *(K 8 ' 1 ()' 2+/,$' ! b

D % ' > $8' $' +9A' 7 E
7 ' E ' I ' +/6/' "1' "' .' +"' *1"($.' &" '
,+ %'' 8 ' 1 ()' 2+/,$' @*' /N' W

1 ' >0)' F /11/"&A' 7 D ' D' D+ #$** +' /'
! ' ' # 2 ' ' F 1' X '7 ! ' ' ' 9 ' #'
> #' + ! ; 0
' D' ' ' F ' ' E '
' 8' ()' ./(/ ' ' + %'' 8 ' 1 ()' 2+/,$' J*
I 1' ' # ()$' '($+' "(/ ' "1' ,/$' (/#/,' $+/$*

1 0' >D$+' ' A' 7 E ' /,"+' #' +/' /(9' "&3$()
D ' E ' ' ' F ' '
' $, ' .' ./(/ ' ' 8 ' 1 ()' 2+/,$' ! *' .
E^E ' ' ' E ' ')/+.' ./(/ ' '
+ %'' 8 ' 1 ()' 2+/,$' *
' I ' 7' ' E ' E ' ' ' ' E I
8 ' 1 ()' 2+/,$' ! *' (^
' ' ' 7 E ' /*' /#$"' .' 7/' /*(+9' + %'' 8 ' 1 ()'
2+/,$' *' .

1 0 ' > ' 8$+$' .A' 7 D
' 7 7 C ' 7E E 7 ' D' ' 7E
$, ' .' ./(/ ' ' ,"2' 8 ' 1 ()' 2+/,$' *'#/.

D E ' > " .9A
7 E ' 7' ' 7E ' ' E' E '
' ,"2' 8 ' 1 ()' 2+/,$' ?*

)/ ′ /

E ' > 'A' 7
I .' ' 7 E ' ' DP ' ' E P'
7 ' E ')/+.' ./(/ ' ' + 8/*, .' "' .' $'1"+6$. J '/1'
,+ %'' 38 ' 1 () ' 2+/,$ C *

E ' > .%"+.A
' ' FE P ' E (+9' # +' \ /$(' +*' T% !' / 2
11 *(+"(/ '*' + %'' 8 1 () ' 2+/ +' B*

E 77 ' >)"+1$*A
P' E ' ' F/()' '" + (/(2/ $' + %'' 8
1 () ' 2+/,$' @*' B.
P ' PE ' F/()' '" + '(/*2/$,$' + %'' P8 ' 1 ()
2+/,$' @*' B.

E 7 ' >0 +* A
7P ' P ' P7 P ' E ' E P' E <
PED ' E ' P' 7 7 P E ' ' ./($.')9' / 3/")'
//11/$+(' $%' "' .' +$8/*, .' ./(/ ' ' ' 8 1*' F/()' ' ('1'
D +(+"/(*' "' .' *8+"1' F .' '6+"8/'9*' D *(' 38 ' 1 () '2+/,$' '/*

E ' >P$8' F ' F A' E ' # ()$' . '' 7/**/ ''"+9'
'/,/$(9
7 ' E ' ' P 7' ' ' DE ' F/()' '"
D+$#",$' 39' ' 7 ;' /1//11$+' 7HI ' D+ #$* * +' # &2"+"(/8$
D)/1 1 69' "(;# +.' D *(' 8 ' > ()' 2+/,$' *

E , ' >0"&$*A
' P ' P ' ' P E ' D+/&/(/8$' D"2"1'
"' .' D+ ($*("' '(' ' ,1 /1/' 6' ()$' 8"' 6$1/,"1' 7/**/ ' *' "() 1/,'
E6/("(/ '*' "' .') +,)' D+ 6+$**' # ()$' 1"*(')"1# $' (+9' 8 '
)() 'H/+/,$' ! *

E 0 ' > F/11/"&A
F E7' F ' ' P ' E ' 7D <
PEP ' F/()' D +(+"/(*' "' .' ' ,*/&/1$*' # ()$')"' .%//(///6'
.%/' '" "' .')/*' F/#$' 9' ' 8,6" '" D" 1' ' 8 1*' $'/A'
8 ' 1 () ' 2+/,$' *
' ' ' P E ' I ' $/' 6 **"A'B
'8+' 3$# +$' 2 31/*)$.' ./($.' %/()' '" D+$#",$' 39' ' $6" '
D" ' !' 1' + %'' 8 ' 1 () 'H /,$' W' Y

E F ' > "2(' E' 8 'A' (/2("/' '' # ()$' D+ **/" '' +H(*
' (#; # ' ! ' ' ! ' (#; # '$ 3 # ' ' '
' ! ' '
D PE ' ' ' P7E ' P ' P ' '
F EP' ' ! C! !' D 31/*)$.' 39' E () +/(9' "' .' /'' ", , +." ',$'
%/()' 1//,/"1' , &$'(*' +" '*1"($.' #+ &' ()$' $+&" '' 39'
1 '$1' ' +")"&' I ' ' ' F/()' ' 1"+6 ' 7 "H/*'
$&9' 8 ' 1 () ' 2+/,$' !*

+ P′ >7+*′ A

′ P ′ ′ E ′ F/()′ '" + '(/"/// ,$′ + %′38 ′ 1 ()′2+/,$ @*′B(Y

′>7 "+9A

′ P ′ F′ ′ PI ′ 7′ F ′ < E ′E ′ 7 ′ /'()′ ./(/ ' ′ + %'′ 38 ′ 1 ()′ 2+/,$ *

P ′ P′ IE ′ D P ′ ′ E ′ ′E ′ P ′ + %'′ 8 ′ 1 ()′2+/,$ @*′>/.

, ′>7 "'1$9A

′D P ′ ′ P :ℂ +′ '*$1 "'.′ E/.′ (′ 1//2ℂ /'"*($+ /'′ /##/, 1(9′ 3(′ +′ /*(+$**′ + %'′ 38 ′ 1 ()′ 2+/,$ *

o ′>7 "+9′ 7 A′E () +′ #R′ +"&2('′ $,(+9 T E P ′E 7 P′E ′ P′ E ′ + %'′ U ′ 1 ()′2+/,$ B*

o ′> $8′ ′ A

E ′ ′ ′ ′ ′DE ′ ,"2′ 8 ′ 1 ()J′2+/,′ 6′W

o ′> 22/$*A′ 7 "*($+′ 7 "+/'$+

′ P ′ D′ E′+$"1′ *(+9′ # ()$′E(1"'(/,′ 11 *< (+"($.′39′ %'1$9′ +$$'′ + %'′ 8 ′ 1 ()′2+/,$′@*′B.

o ′>0" &$*A

E′ E ′ ′ ′ E′ ′E ′ P′D 7 ,"2′ 8 ′ 1 ()′2+/,$ *

′>E11/* 'A

D D ′ E ′ P′ D 7 ′ ,"2′ 8 ′ 1 ()′ 2+/,$?*′B(1

′> . & '.′ ′D A

′ P D E ′ ′ E′ E′ "'.3 -′ # 3" ℂ(/,"1′ 'ℂ # +&"(/ '′# +′() *$ 2+ ,$$./',.′(′ +′+$*/./'6′/'′()$′ "*('./$ℂ′ +$1"(/'6′(′ (((/*′P ($*′ /&$′# +′ $2"+(+$′ './"'′ 1/&"($′ $(,′ F/()′ ′ 2 ′5 ′ ′ ,H 3 ((9′P′P′/' 7"/+′7 ′ P ′1"($′ $2 (9′ + '$+′ #0".+"*′ $, '.′ ./(/ ''P$8/*$.′"'.′ ++$,($.′ D *(8 ′ 1 ()′2+/,$ Bb

′ > $8′ F A′ # ()$′ '6+$6"(/ '′ # ()$′ 31"($*′ # (′)"+1$*

7P′ ^0E7 ′ D ′E ′ EP E ′ EP7 $&9′ 8 ′ $%$.′2+/,$)

" ‘ - ‘ R ;‘ ‘ 9 * ‘ =

‘ ‘ ‘ >) $A

O !) 5‘

D+ #‘ JF‘ H #1 ‘ + // ‘ 7 E‘)$‘ /+*(‘ D+/' ,/21$*‘ # ()$‘ ;//,(,/$' ,$*‘ $;21"/' $.‘ (‘ ()$‘ 'C&"()$&"(/,"1

D+ #‘ ‘ ‘ 6‘ ‘ D P ‘ ./19‘ 7 (/ '‘ "' . '*,/ *'$**

+‘ F‘ ‘ & ' -‘ ‘)$‘ D)9*/,"1‘ $ 6+"2)9‘ #()$‘ $"

D+ #‘ "‘ I J-‘ ‘)$‘ 1.‘)$&/*(+9‘ 8/$/8$.‘ #+ &‘ ()$‘ $%‘ ("' .2 /'(

F‘ ‘ -‘ 7 ‘ ‘ 7/' .‘ /'‘ ()$‘ %$+‘ E'/&"1*

/+‘ + ‘ -‘ "+(‘ ‘ '‘ E'(*‘ "' .‘ $$*

D+ #‘ ‘ ‘ # ‘ B -‘ E‘ ,‘ +&‘ # ‘ "3/(‘ #‘ 1 %$+/'6‘ D1"' (*

7+‘ 0‘ ‘ ' , 7‘ ‘ 2$,(+ &‘ E' "19*/*

D+ #‘ 2 ‘ -‘ 7 ‘ D+ (; ."*&‘ # ‘ ()$‘ $1‘)$ +9

‘ & ‘ ? -‘ 7 ‘ ‘)$‘ +"/'‘ "*‘ "'‘ +6"'‘ #‘ 7/' .

D+ #‘ E‘ ‘ " -‘ ‘ ‘ "+()‘ , 12(+$‘ /11*‘ I "11$9*‘ 7 '("/'*‘ D1"/'*‘ /8$+*‘ "-$*:‘) %‘ ()$9‘ %$+$‘ D+ < . ,$. ‘ "' .‘) %‘ ()$9‘)"8$‘ 3$$'‘ $*(+ 9$.

D+ #‘ ' ‘ 4‘ > $+1/'‘ '/8 A‘ 7 +3/.‘ D)9*/ 1 6/,"1‘ E,(/ '

D+ #‘ & ‘ ? (/*(+9‘ #()$‘)$ +/$*‘ # /#$

D+ #‘ ‘ 3& ‘ B $ (E'‘ '(+ . ,(/ '‘ ‘ $'$+"1‘)$&/*(+9

D+ #‘ (9e‘ E(&*‘ "' .‘ ()$‘ E(&/,‘)$ +9

D+ #‘ $‘ K L ( )$‘ &"'‘ ",$

D+ #‘ M 3B (^ 1 69‘ */' ,$‘ 8/$+

D+ #' ? ( )$&/,"1‘ 9'()$*/*

B , 3

>) $A M

>K ;X Q

D+ #0 P /(E $'$+"1D)9*/ 1 69 # 7 *,1$* "'.$+8$*

D+ #+ " - / 6 7 E $2)"1/="(/ '+ $".(
)"+",(+*/'()$ +".(/ "'.D+ 6+$** # /#$

D+ #F+ 7 E ()$ (+/(/ # D1"'(*

D+ # 0+ 7) $+8 * 9*($& "'.(*
P$1"(/ '()$ /1/19 ',(/ '*

D+ # & > +$*1" /9 A) "11 //)9($* >E16":
/,)$'* '6/A

D+ #6 " > '/8$+*/(9 # ^ +/,)A P,*///+"(/ '

D+ # > '/8$+*/(9 # $/2*/,A (1/'$* # E'/&"1
+6"'/="(/ '

D+ # > '/8$+*/(9 # $+1/'A (1/'$* # ;/, 1 69

D+ #1 > '/8$+*/(9 # (+"*3 +6A ' .

D+ # > '/8$+*/(9 # +1"'6$'A "D"+"*/(/,D1"'(*

D+ # > '/8$+*/(9 # $+1/'A (1/'$* # () ,/$',$
"'6 "6$

D? > D+ #$** + D)9*/ 1 69 D"+/*A +&* /#$ #
()$+ *&/,"1 './(/ '*

$ >D+ #$** + # '*(/((/ '"1"'.E.&/'/*(+"(/8$ "%
"("/' "'.# D 1/(/,"1 , '&9 "(/11$A)$ D+/&/(/8$
1$&$'(* # D 1/(/,"1 '*(/((/ '*

D > D+ #$** + 7 $/1/,/'$'D"+/*A 7 .$+'(5 F

7 '*' ( )$ ',(/ '* +6"'/,')$'//*(+9

7$'*'B (D+$,/ * #$("1*

D+ #$?>(G 7 E 7 > ; 'A E/+/'/(* +$1"(/ '($"1()

D+ #'E'5 ($'$+"1 &3+9 1 69

" ' - ' R ;' $ 9 *' =

' >0 " & $*A

7 E ' ' ' ' 0 ' E F /()' 11]
(+"(/ '*' + %'' 8 ' 1 ()' 2+/,$ *' B.

'4 G

[7 ' ' E' 8$1 $%' " .')$"2$+' ./(/ '
+ %'' 8 ' 1 ()' 2+/,$ *

o' >0$" ' A

' ' F C ' E' $, ' .' ,+/$ *' # R (+/$*'
1.' (' "')/1. T OF/()' /#($$'' 11 *(+"(/ '*' 5 "+$ C1&
' 1 ()' 2+/,$ @*' .

' ' @' > $+' /+*(P &" ' ,$ A ?' 8 1*' + %''
38 ' 1 ()' 2+/,$? *

4 , ' > ' A

7 P ' E ' + %'' U ' / (3
2+/,$ *

4 7' >01" H C $ ' ' 9/+' ' $' +" ' . A' '

F P ' E' P ' E ' P ' ' 7
D/,(+$*' .+"%'' #+ &' 1/#$' $, ' .' ./(/ ' ' + %'' 8 ' 1 ()'
2+/,$ *' .

4 , ' > A' " ' .' ' >0 A' *5*

E' E ' E ' EP ' P ' E ''
' F P ' $, ' .' ./(/ '' P$8/*$. ' + %'' 8 '
1 ()' 2 '$ ' *

4 , ' > $+' ' A' 7 E ' $,(+' # 9&/ ' 6$' " ' .
'(/+"+9' " ' '' # " '($+) +k9

' DP I ' ' D P' $6"119' " ' .' /*(+/," 119' ;<
"&/ '$. ' " ' .' ()$' 1"/&*' #()$' P &" ' ') +,)', &2"+$.' %/()' ()$'
,+/2(+$*' ()$' ' ,/1*' " ' .' (1/$' $*(/& '9' # ()$' D 2$*' ()$&<
18' $"2' %&' 1 ()' 2+/,$ @*' .

4 , ' > .%"+. A' 7 D

E ' E ' P' E ' E' $,(+$' .$1/8$+$.' /' ' ()$'
'/($.' ("($*" ' .' " "/1" ' + %'' 8 ' 1 ()' 2+/,$' *
' E ' /*' /+()' " ' .' ()$+' 7/*# +('$*')/+(9'
+()' ./(/ ' ' + %'' 8 ' 1 ()' 2+/,$' *
' ' E')+/*(&" *' '(+9' "+ 1' +($$' ()'
) *" ' .' F /()' /8$' 11 *(+"(/ '*' + %'' 8 ' 1 ()' 2+/,$
E')$"2' ./(/ '' /' ' 2"2$+' , 8$+*' 2+/,$' *
P ' E E 7 ' 8' ()' ./(/ ' ' + %'' 8 ' 1 ()' 2+)' '
*' B.

4 A ' >D+ #' F ' ("' '1$9A
7 ' E ' ' 7 E 7' ' E ' #$, ' .'
./(/ ' ' + %'' 8 ' 1 (1/' 2+/,$' J*
1' I ' #()$' '($+' '"(/ ' "1' ,/$' '(/#/,' $+/$"

B ' > $8 ' 7 A' E
E 7: (' "(+$' /(' "' '6$+*' "' '.' /(' ,&$./$' , , '
*/.$+$.' + %'' 8 ' 1 () ' 2+/,$' b' B.

B ' >7 /(* A
P' E ' ')$' (+9' # '" D1"/' ' EI '/ ' ' ' 8 1*'
+ %'' 8 ' 1 () ' 2+/,$' !*

B 7' > "8/.A
' ' E ' ' IE' 11' *(+"(.' %/()' D) (6+//2)*' #
()$' '(+9' "' .' /(' ')"1.("' '(*' "' .' '" ,+ZV9 # (1/$' ##/,/"1' 7 "2'
/'' *$' . +/' 6' (1/$' " //2///6' '#+ &' ()$' +8$9' # "H/("/'' $ */1/' '
D *(' 8 ' 1 () ' 2+/,$' ! *
' ' EI ' ' EPE' E' "1$' # $' (+"1' E*/" '
F /()' 11 *(+"(/ '*' + %'' 8 ' 1 () ' 2+/,$' *
' F ' P 7E ' ' ' DE 7DE ' 11 *(+"($.'
+ %'' 8 ' 1 () ' 2+/,$' *

B ' >E1/,$A
E' P' ' I ' + %'' 8 ' 1 () ' 2+/,$' *')

B ' > 1+*' "&/1('A
' D ' E' $%' D $&' $, ' .' ./(/ ' ' %/()' * &$'
($*' + %'' 8 ' 1 () ' 2+/,$' *' .
E DP 7 ' E ' P' D 7 ' $, ' .' ./(/ ' ' , 2'
8 ' 1 () ' 2+/,$' ?*')

B ' > $8 ' ' F A' 7 E ' /,"+' # (') &"* *
("&# +.' /11: 1"($')"21"/'' ' ' ' ' > $' 6"1' $*/.$', 9A'
EP E7' P :' +' /*, **/ '*' 2 '' * &$' #
()$' P$1/6/ *' 2/,*' #()$' "9' R' E ./"1($+"&' 2"+($& T' + %''
8 ' 1 () ' 2+/,$' /1*' B.

B ' >E' ' $((' $' A
D 7 ' ,"2' 8 ' 1 () ' 2+/,$' *

4 %& # 7 ' > $8 ' $+ AC
' '#$+$', $*' .$1/8$+$.' "(1 *$' E' $%' "' .'
)$"2$+' ./(/ ' ' + %'' 38 ' 1 () ' 2+/,$' @*')

' ' ' ' ' >)$A
E' D $&' /'')+$$' "' (*' ,"2' 8 ' 1 () ' 2+/,$' *

@ , 3

' >0 A
I PI . 8$1 8 1* + %" 8 1 ()

' > + 6$'$A D+ #$*J/ + # D1/9 */,* /' (1/$
///8$+*/(9 # +1" 6+' _
E P D)9*/,"1 H/(/,* $, '. ./(/ ' F/() 0'$+"1 E,, '(# 11 *(+"(/ '* "' '. '" ("31$ # 2$,(+" /')+ & 1/() 6+"2)9 + %")8 1 () 2+/,$ *
1 X# () '($+'"(/ '"1 ,/$'(#/, $+/$*

P / /f >D$($+A
0 E P D E /* % +- /'')$+ D 12/("'.)/* /'#1 $',$ 2 '')/C+ /(+69 E+(/,1$*'"' . D"+(/($*' $&9 8 1 () 2+/,$! *

' A >/K"& $1A D/ E
E7 I P P E :' E+(/*(/, /($+"+9 "'. 7 */,"1 F/() 1,(/ '* #+ &')/* 'H/)1/*)$.' D"H/$+* "' . ++$*2 '.$',$ 9 "91$ $+'"+. 8 1* F/() " D +(+"/(D *(/*8 1 () 2+/,$!*

' 0 >7"+-' E'('9A' 7 E E
[FE E I E $/'6 ($* # +"8$1 /'' ()$ +() # + 2$ + %" (8 1 () 2+/,$)*

' > A +6$ 'C7"H +' $'6"1 E+&9
E P E P ED I P D *(8 1 () 2+/,$ *' (/.

% >0"&$ *A 7 E 0 0/'
P E E' + # 3*$+8"(/ ' %/()' P$&"+-* ' +/*)' D 31/,' \ $*(/ '*' E' $%' "'.)$"2$+ /1/(/ ' + %" 8 1 () 2+/,$ @*' .

H) & $'/* 1 +$',$A
E P PE7E ' +"'*1"($.'#+ &' ()$ 2"'/*) D *(8 1 () 6/1($.6$*' H/+/,$ 1 *

9) - # $ +6$A
EC D P E F F P ' F/()' /'$ 11 *(+"(/ '* 39 E+() + 6)$*' $, '. ./(/ ' + %" 8 1 () 2+/,$ @*' (1.

$%'& '$' % " @ 8 1*' $, '. ./(/ ' + %" 8 1 ()
P 'E ' 7 E @ 9) + %" 8 1 ()

>)$ 21//1$A

E D '"'.' ()$+ $&*' + %'Y8 1 ()'2+/,$'?b'>/.

>0 A

E CEC ^ E P F/()'"' + '(/*2/$,$' + %'' 8 '1 ()'2+/,$' *'(F

> +' $'+9A

P D 7 E ' E ' '.' ./(/ '' + %'' 8 ' 12()'H /,$'J/*
I 1' I ' #()$'1 ($+'//(/ //"1'D$/$'(/#1,'D$+/(*

>F/11/"&')"+1$*A

' E D ' EPE E:' +' +"8$1*' ()+ 6)' /+92(' /'"/' E+"3/'"'.'()$' 19' "'.' F/()' 7"2' E' $%'"'.')$"2$+' ./(/ '' $&9' 8 ' 1 ()'2+/,$' *

> ' .& '.A

I ' ' 'D D EP' E P ' '!M(" '
(+ %'' $ (J !3'5 ' (
' I 6. 6"'.' ' + %'' 8 ' ///J$' *'#/.

> /$ (C 1'0' -' 9"1' 6/',$+*

E 'E 7 ' P' ' ' ' E 'E ' E E E
+ %'' 8 ' 1 ()'2+/,$' *

>/ ()$+1"'.A

7 7 P' ' ' F 7 ' D *(' 8 ' 1 ()
' ' ' '+ M (
% 1'G J>(/' ' 3 $ (# 'G ' ' ! >(" ' '#'
9 $'G $>(/'G('$ (%)'/M 1 3 6'(#0 (-
'0 (' ') ' '
5 P BB'P'8'Q! Z* + /+

>0' A' E

7 P' DEP ' P ')$/+' D1"'' $*/6'' "'.'
+'/(+$' + %'' 8 ' 1 ()'H/+/,$' *'#/.

$ '>7"H +C $'$+"1'8 'A

EIE P' ' ' +"'*1"($.' 39' 01"H +' +"'-' '
**$11'!?()'> /'6*A **"+*' + %'' 8 ' 1'/()'1/&2'2//,$'
*'#/.

$ '>1/$8' "'/$1A'7 E

P ' E ' ' P ' E' +*' # $'($,(+$*'
././8$+$.'/''()$'D"+ 1H' 1/ +,1/ # 19' //'/(9'D". ./'6('' 9'
()$'" (1/ +' #R)$'E6$"'.'()$' *2$1' '1*$"'' $$(+$*'T'$(,'
+ %''38 ' 1//(1/'2+/,$' *'#/.

$ ' > $8') &"*A' /,"+' #')+/*(') +,)
(J1/$*3"&
7 ' '' 9' '9& *' $;(*'("-$''#+ &'()$' /F '
"'.' '-' #' && ''D+"9$+'# +'()$' (.9' "&/19' $"/1/'6'"'.'
D+/8"($' $8 (/ '' &"11' + %'' 8 ' 1 ()'//+/$'?*' ,Y

$ '>0' A
' 7D ' '7 'E ' E E ' $/'6'
"' 7"' "I' #' $ &$(+9' &H.1$.' #+ &' ()$' & "(/&2 +("'(
+$',)' F +-*' "2//+ 8$.' AZ9 ()$' '/8$+*/(9' #' D"+/*' "'.' ()$
7/'/*($+' #D 31/,' '*(+ ,(/ '' ,"2' 8 ' 1 ()'2+/,$' 3*' .

$ '> $8' ' A' 7 E ' $11 %' #' \ $$' *' 11$6$'
;(/+/1
' 7D E 'E 'D E ' ' 'D E ' E' $%
+"''*1"(/ ''/'' '61/*)' I$+*$' + %'' 8 ' 1 ()'2+/,$' *' .

$ '> *"'A
E ' @' E' 8$1' '8 1*' + %'' 8 ' 1 ()'
FE ' E' 8$1' @'8 1"' + %'' 8 ' 1 ()

$ ' > .%"+.' A' D)' ' 1"($' D+ #$** +' #' &<
2"+"(/8$' E'"(&9'"'.'^ 1 69'/'' %./'' 11$6$
P ' ' ' ^ ' F/()' ' &$+ *' 11 *(+"(/ '*'
+ %'' 8 ' 1 ()'2+/,$'z

$ '> 9.'$9A
D PD ' E' 8$1' @'8 1*' + %'' 8 ' 1 ()

0 E I '>E'() '9A
' ' D E' 7 ' + %'' 8 ' 1 ()'
2+/,$'B*

$ ' ' 9'() 'E () +' #' R')+/*(/'"
+() T"'.'R' '.$+'()$' /&$*T' E' 8$1' '8 1*' 1 ()

" , '>0)'' A' #()$' +/(/*)' 7 *$ &
EI ' E P ' E ' D+ &' P **/"'' $+8/"'' D 1/*)'
"'.')$&/"'' +,$*' F/()' +' 11 *(+"(/ '*' + %'' 8 '
1 ()'2+/,$' *

" o '>0)'' $'+9A'
EPE P ' P 7' ' FP ' ' P'0' '
F 7E ' $/'6' 1,(/ '*'D$+* '"1' /*(+/,"1'D)/1 * H/)/, 1'
"'.' $1/6/ "' #+ &')/*' 8"+/ *' F +-*' E++"'6$.' %/()' ()$'
E () +*' 2$+* '"I' "22+ 8"1' $, '.' ./(/ '' F/()' D +(+"/('
+ %'' 8 ' 1 ()'2+/,$' *
WfW E' D +(+"/(' #' () ' $8' +'0' ' $%&"''& '($.'# +'
#+"&/'6',"'')$')".'2+/,$' *' .
P

* ' ' 3 2, 4
' E ' E' 8$1' ' 8 1$' + %'' 8 ' 1/ /()

"$ ' > "&$*' E*1/$+ #(A
' D E ' DED P ' $&/ ' /*$, ' ,$'" "' .' +/ ' "/ *' # '"
%11+' /'' ()$J F /1. $+ ' $**' + %'' 8 ' 1 () ' >////J,' > Y

" ' ' 2 "# ' 3 564
' 7E ' D D ' "' .' ()$/+' ;/*(/ ' $:' $*$ ' ." ' (*' /''
()$' +/(/*)' &/ ' / ' *' "' .' ()$' ' /($.' ("($*' # E&$+/$"' J$&9'
8 ' > () ' 2+/,$' !*

" ' 3 61 ' 4
' P' E ' P' ' D 7 ' ,"2' 8 ' 1 () '
2+/ $' *

" 3 ' >0) ' A ' E 7
' D E ' ' E' DP P' ' '
P ' ' E ' + %'' 8 ' 1 () ' 1$.' $>10C$*' 2+/,$'
*' B.

& ' ' #"& ' 3' 3 4 ' ' 3 564
' P E ' D P ' 7E E^ ' E' P$2+/ ' (# ()$'
#/+*(' I 1 &$*' /'' ' I 1 &$*' $&9' 8 ' 1 (1/' 2//$$' JK'C
P' □ ' /& ' 3' & ' /% 5 "' .' '$' E I "9
#' 7 $$(/ ' 6' /(' $& 9' 8 ' (/(,)$. ' 2+/,$' *

2 3 ' 6 ' 7
E E ' EF P ' E' 7 7 P' ' %/()' (+/$*'
' %' #/+*(2 31/*)$.' /'' ()/*' , ' (+9' "+*+' 2 *(8X' 1 ()'
2+/,$' F ' G

2 3 ' > "2(' ' 1 .A
D ' E ' P ' +' $,(+$*' .,1/8,+,/1' (' (1/$'
' . '' , ((/*)' P/#1$' I 1 '($$+ ')$"2$+' ' 1/(/ //' + %''
P (D+/,$' b

2 3& , ' > F ' /## +.A
P 7 E ' E E' E '' "*($+ '' "++"(/8$' ' 8 1*' '+ %''
8 ' 1 () ' $;(+'" 6/1(' 2+/,$' "

2 &) &' >0 *$2) A '
' DEPE .' E '' **"9' '' () $' D$+* ' "1/(9' "' .' 7 / ' /*(+9'
()$' 19') *(' %/()' * &$' +$#$+$',$' (' , ++$' (./C, **/ ' *'
$, ' .' ./(/ ' ' $&9' 8 ' 1 () ' 2+/,$' ! *

2 &&' 3 2276 4
& ' +' ' ' EP' + %'' 8 ' 1 () ' 2+/,$'
*' B

1 ' > ' $6" ' A
' E 0 ' E' $%' +" ' *1"(/ '" / '' /& H/ + %'' 8 '
1 () ' 2+/ +' *
F E 7' F ' ' P ' E ' 7D <
PEP ' EI/()' D +(+"/(*' "&/ ",*/&/1$*' # ()$' "' . %+/(/ ' 6' #
0%/ '' "' .') /*' ŒE/#$' ' 8 1*' $&9' 8 ' > 1 () ' //+/$$

1 ' > 1& A
' ' ' E ' E ' + %'' 8' ' 1 () ' 2+/,$' *

1 ' >D+ #$** +A '
P ' ' E ' D+/,$') ' $",)
' D$*("1 ==/' ()$' '1/'$' ' # /*' D+/' ,/21$*' "' .' D+",(/,$
' +//)$1' "' .' (/+$' /' .$+6"+($"' 9*($&' $, ' .' ./(/ '
')$' ,/$',$' "' .' E+(# /1 ,"(/ ''
1E ') ' + $' ' . "(/ '' # ,/$',$' $",)/' 6

1 ' > 6$' $A
' P ' DE P' 0 E ' 0EP E ' +" ' *1"($.'
#+ &' ()$' +$',) ' 9' 1 '$1' ' D' ' *($' EI/()' "'
+ '(/*2/$,$' $%' ./(/ ' ' ,"2' 8 ' 1 () ' 2+/,$' *' (/

1 ' > 7 "H +' 0 A ' E
E' EP ' E ' EP ' ' ' ŒPE ' EI/()'
, 2/ *' +"&&"(/,"1' ,#$+$',$*' "' .' ;21" ' "(/ '*' # () ' $;('
?(' 1 () ' 2+/,$' !*

1 J% ' > $8 ' D A
E 7 ' DP I P ' F ' P' ' PE E
'("/ '/' 6' 2%"+. *' # /;') *" ' .' D+ 8$+3*')/+.' ./(/ ' '
$&9' 8 ' $%$. ' 2+/,$J *

1 ' >E & $1/" A
E' F P' ' 7 P ' EI/()' +' 11 *(+"(/ '*' E' $%'
" ' .')$"2$+' ./(/ ' ' + %'' 8 ' 1 () ' 2+/,$' .*')
E' ' 7E ' E' 8$1' ' 8 1*' + %'' 8 ' 1 ()

1 A' >0 ' A' 7 '
E 7E ' 7 .' +' EEJ"1-/' 6' %/&&/' 6' " ' .' 19/' 6'
$, ' .' ./(/ ' ' EI/()' !!G' 1/1 *(+"(/ //*' + %'' 8 ' 1 () '
2+/,$' z
EJ 1 &$' E ' # ()$' '($+' '"(/ ' '"1' ,/$' (/#/,' $+/$*

D/ ' >0 'A' + E '
D P EME ' E ' 7 P ' D *(' 8 ')' () ' 2+/,$
1 *' >0H

D ' >E 1$; " ' . $+' $+6 $8/(, A
0 E ' 7E ' +"'31"(2.' #+ &' ()$' "1$*' #' /. -/' '
$(, ' 9' 7+*' 0' ,)"'' $1#$+' = J' 7 +"8/#(1JH' (J'/% ' 8 '
1 ()' H/+/,$' ,' K=)

1 o ' > "++/$(A
P' IE ' F' E ' F ' 7D ' E ' E7 '
7' ' ,"2' 8 ')'J()'2+/,$' *')

D % ' ' F # 3' ('
E P ' ' E ' P ' ' ' I P
+ %'' 8 ' 1 ()'2+/,$' *

1 6
' ' P E ' D ' E '' ** /9'*C) %/// ' () /(
()$' ,(+/'$', '("/'$.' /'' ()$' "& '"(+9' 1" *$*' >#' ()$' +$$.'
, && '19' ,"11$.' E()" "*/ '' /*' '*,+/2(+"1' &"11' ,+ %'' U '
1/()'2+/,$' ?*' B>

1 '>D+ #' ' "& 9A
PP 'E ' E ' + %'' 8 ')'/()'2+/,$' *

1 ' > /$)"+.' E A
P' D E ' E7 ' ' E' $+//* #' C*"9*' , '<
(+"*(/'6' +' 1/((1$' "3 .$' /'' *H/", ' "' .' (/&$' %/()' ()$' '1/'/(/$*'
"+ ' .' *' ' %)/,)' "+$' "/)/$.' **"9*' '' R E*(+ / 69 T' "' .'
R)$' 0$%/*)' "33"() ' $, ' .' ./(/ ' ' + %'' 8 ' 1 ()'
2+/,$' B
' DE ' ' E I ' E' $+/$*' #' **"9*' '' ()$'
F '.$+*' #' ()$' /+&"&$'(' F/()' "' + '(/*2/$,$' $, ' .'
./(/ ' ' + %'' 8 ' 1 ()' 2+/,$' B*

, ' > ' 7 '(6 & $+/$A'
P E7 ' P 7' ' P ' + %'' 8 ' 1 ()'
2+/,$' B*

?$ ' $ 7
P E C7 ' 7 P ' E' 7"((,+C #C ",(' (+9' F/()'
+ '(/*2/$,$' + %'' 8 ')'2+/,$' 4,' K=D

' >7+*' 1' A
FE ' E ' F P .' P' P 7' P ' '
F 7E ' F/()' "' + '(/*2/$,$' + %'' 8 ' >' - .1/'H/+/,$' J%
E7' F ' E ' P' P '# +' &$' ($".'/'6'
"' .' ((''6$' 7$$(/'6*' @' 11 *(+"(/ '*' /'"11' *// "+$' '/# +&'
%/()' R' *(' /2 T' $(,' D+/,$' *' B>

' . 7
\ E ' E7 ' E' 9'/,' #'()$' /',(, '(1/' ('(+9'
E ''E (3/ 6'/21/9' + %''P (1 ()'2+/,$' ! *' (Y

/ ' > 7 +*' 11$ ' A ' >R $1*/$' + - TA

E ' D ' E' -,(XJ)' #+ &' &)1 ' /#$' J /# +&'%/()' R ' 3(>?/2 T' F /()' /;' 11 *(+"(/ *' 5 "+$' ,+ %'' 8 ' 1 ()' 2+/,$' Nb

. '' (' ' %L

E ' E ' E P ' P 7' ! ' ' ! G ' E' ///" $ ' 8 1+(' D (' 38 ' 1 ()' 2+/,$' !CY

. ' > F /11/" &' 1"+-A

7 7 P ' ' 7P ' E' ' + %'' /ZU ' 1 ()' 2+/,$' *' (/

. ' > ' A

P I ' E ' E 7 ' $, ' .' ./(/ ' ' $&9' 8 ' $%$. ' 2+/,$' *

' > ' K A' 7 ' E (1/ +' #' R' 7 "+ 1 /11' "8"* + T'

' E P E ' P P' E' 7 /. *)/2&" ' J*' E . 8$ ' (+$*' '' ()$' F $*(' "*(' E' -' # +' 9*' F /()' 1/+$$' 11 *(+"(/ '*' $, ' .' ./(/ ' ' + %'' 8 ' >J1 ()' 2+/,$' @b' //

o ' > +$6 +A

P' D P ' E ' P F ' E' P &" ' ,$' #' ()$' D+$*$ ' (' /&$' +" ' *1"($.' 39' " ' '9' F +&"1. ' .' 8 1*' + %'' 8 ' 1 ()' 2+/,$' .*

' > "()$+/ ' $A

' ' 7 ' E' 8$1' @' 8 1*' + %'' 8 ' 1 ()' ' P ' " ' .' (1/$+' (+/$*' + %'' 8 ' 1 ()' 0/+/,$' *

0 E ' 7 PP F E P' " ' .' ()$+' (+/$*' + %'' 8 ' 1 (1/' 2//,$' *

7 EP EP ' E ' ^E ' E' (+9' #' ()$' $" ' + %'' 8 ' 1 ()' 2+/,$' B*

' >0) ' A

' F /()' + ' (/*2/$,$' + %'' U ' ' 1 ()' 2//,$' @*' .' E ' PE ' F ' F /()' + ' (/*2/$,$' + %'' 8 ' 1/' /()' 2+/,$' @*' .

' > 7 "H +' (' ' A

' D PE ' ' ' P ' EP 7 ' P' ' I ' ' +" ' *1"($.' 39' 1' ' ' 8 '' F +/6)(' +' 7 "2*' $&9' 8 ' 1 ()' 2+/,$' Q

' D PE ' ' ' P ' EP 7 ' P' ' I ' 7 ^' +" ' *1"($.' 39' "2("/ '' ' ' 11/*(' $&9' 8 ' 1 ()' /A+/,$' ! *' .

, P '>01"H +' F '8 'A
' ' ' F' E P ' E ' "+(*' '"' ' .'
' +"'*1"($.' #+ &' ()$' $+&"'')9' 1 '$1' &1$9' +")"&' $&9' 8H' 1 ()'//+/ $' *'B/^

'>D+ #' *,"+A' (+"*3 +2H' '/8$+*/(9
' P ' ' ' E ' EP F 7')/+.
./(/ '' //B' 11 *(+"(/ '*' + %'' 8 ' 1 ()'2+/,$'z
1' ' #()$' '($+'"(/ '"1' ,/$'(/#/,' $+/$*

, ^ P' >D+ #' A' /+$,(+' #()$')$&/,"1
"/1 +"(/+9' "(()$' +3 ''$
P 7 E ' F/()'' &$+ *' 11 *(+"(/ '*' + %'' + '
1 ()'2+/,$'z
I 1' ' #()$' '($+'"(/ '"1' ,/$'(/#/,' $+/$*

'>D"(+/,-A
' P E 7' E ' ' '"'.' ()$+' D $&*' ,"2'
8 ' 1 ()'2+/,$' *

, ' '+ 6' "'.' ()$+' (+/$*
' ' P '"'.' ()$+' (+/$*' F/()' +'
11 *(+"(/ '*' + %'' 8 ' 1 ()'2+/,$'@b')

'> "CK*" ' F /11/" & A
E ' ' I ' ++$*2 '.$',$"'.' '8$+*"W
(/ '*' %/()' "**" ' F ' $'/ +' #+ &' ! @@' (' ! G' ./($.' 39'
7' ' 7' /&2* '' '8 1*' "+6$' 2 *(' 8 ' 1 ()'2+/,$' !b
0 P E ' D ' ' PE 'E ' E ' + &' ! ?' ('
! JA ' F/()'"' -$(,)' #()$' P$8 1 (/ '' #! ? ' ./($.' 39')/*'
" 6)($+' 7' ' 7' /&2* '' '8 1*' D *(' 8 ' 1 ()'2+/,$' ?*

& '% ' ' A
I 'E 7 ' EI ' P 7' E P E ' 11 *(+"($.'
%/()'G' (,)/'6*' 5 "+$',+ %'' 8 ' 1 ()'2+/,$'@*')

0 '>7 "H +C $'$+"1A'
7 E 'F EP EP ' 11 *(+"($.'39' ()$' "&2"/6'' #! GG'
/'' %/(=$+1"'.' $/'6'"' +"'*1"(/ '' #()$' %/*'' "++"(/8$', &<
2/1$.' #+ &' ()$' F +-' #()$' E+,). -$')"+1$*' 1 &////'"'.'
()$+*' E1*' # ($' 39' $'$+"1' ' # +' ''()$' "'///"/6'' #
()$' "1($11/ $'/''1>]@' F/()'EH/2$'./;' 7"2*'"'.' '(+ . ,(+9'
P$&"+-*' $&9' 8 ' 1 ()'2+/,$'1 *

'>D)/1/2A
F 7E 'E'P :' +' "39' F"+&*(+$9' E' 8$1' @'8 1*'
+ %'' 8 ' 1 ()

8+$ ' >E6 ' $*A
7 E E' ' E' 6 ' .' # +(1/J F "1$*' E' D $&' +$"2 '
(/8 ' 1 ()' 2+/,$ *'

' > $*3"A' E () +' #R'0$**/," *' /+*(' +"9$+ T
E ' %$ ' (9C*/;()') *"' .' F /()' /;' 11 *(+"(/ '*'
5 "+$',+ %"' 8 ' 1 ()' 2+/,$ *' >/.
' ' PIE ')/+(9C*$, '.') *"' .' F /()'
/6)(' 11 *(+"(/ '*' 5 "+$',+ %"' 8 ' 1 ()' 2+)J ' *')
' D' +(9C(/#()') *"' /1' F /()' /;' 11 *(+"(/ '*'
5 "+$',+ %"' 8 ' 1 ()' H2+/ $ *' (/.
WIW', ' ' 1 'B ' '8 # 'B '
' *' (1.
' F P ' ' /'()') *"' .' ,"2)8 ' 1 ()'
2+/,$ *(1.
P ' ' E ' F /()' + '(/C*2/$,$' /&2' ,1 ()'
2+/,$ B.
F ' P 7E ' P ' F /()' + '(/*2/$,$' /&2'
,1 ()' 2+/,$)
7 ' P J ' P ' E ' ' E ' F /()' + '(/*<
2/$,$' /&2' ,1 ()' 2+/,$ XbY
' PE 7 ' F /()' + '(/C2/$,$,' /&2' ,1 ()' 2+/,$ 1/.'
P' 7 P ' DP 7 ' @' 8 1"' + %"' 8'' 1 ()'
' P ' 7 7E' @' 8 1*' + %"' 8 ' 1 ()

' >0"&$*A
E ' E ' ' $&9 (' 1 ()' 2'/',$1 * .

' >P$8 '0' F ' E 6 *(*A' 7 E
D 7 ' ,"2' 8 ' 1 ()' 2+/,$ *

' > /+' $' +9A
F ' ' E P' E ' EE ' 7 ' ,"2' U '
1 ()' 2+/,$ @*' .
E' E ' 7 7 P' E ' P' D 7 ' , /2' / '
/ ()' 2+/,$ @!' B.
D D' IE ' EP I ' E' +"&"(/,' D $&' ,"2' 8/'
1 ()' 2+/,$' 9

' > 1 '$1' 7$". %*A' ' 7 E
E' E' 8$1' @' 8 1*' + %"' 8 ')'/()
PE D ' EP ' @' 8 1*' + %"' 8 ' 1 ()
DD ' E ' @' 8 1*' + %"' 8 ' 1 ()
' ' ' E' ' + %"' 8 ' 1 ()' 2+/,$ B*'
EPE' '" 7 ")+"((" "1$' + %"' 8 ' 1 (1/' H/+/,$ *

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